

CITY OF SANDY SPRINGS
PUBLIC WORKS DEPARTMENT
SEVILLE CHASE
DRAINAGE IMPROVEMENT PROJECT
FOR BID

Wayne Eldon

SANDY SPRINGS
GEORGIA

Permitted

Date: 04/27/2020

PERMIT # PW20-00014R1

These plans were NOT reviewed with respect to any building codes or structural design. Code compliance and structural integrity are the responsibility of the owner and builder. The building permit is subject to all City of Sandy Springs ordinances and Georgia State laws.

PW20-00014R1

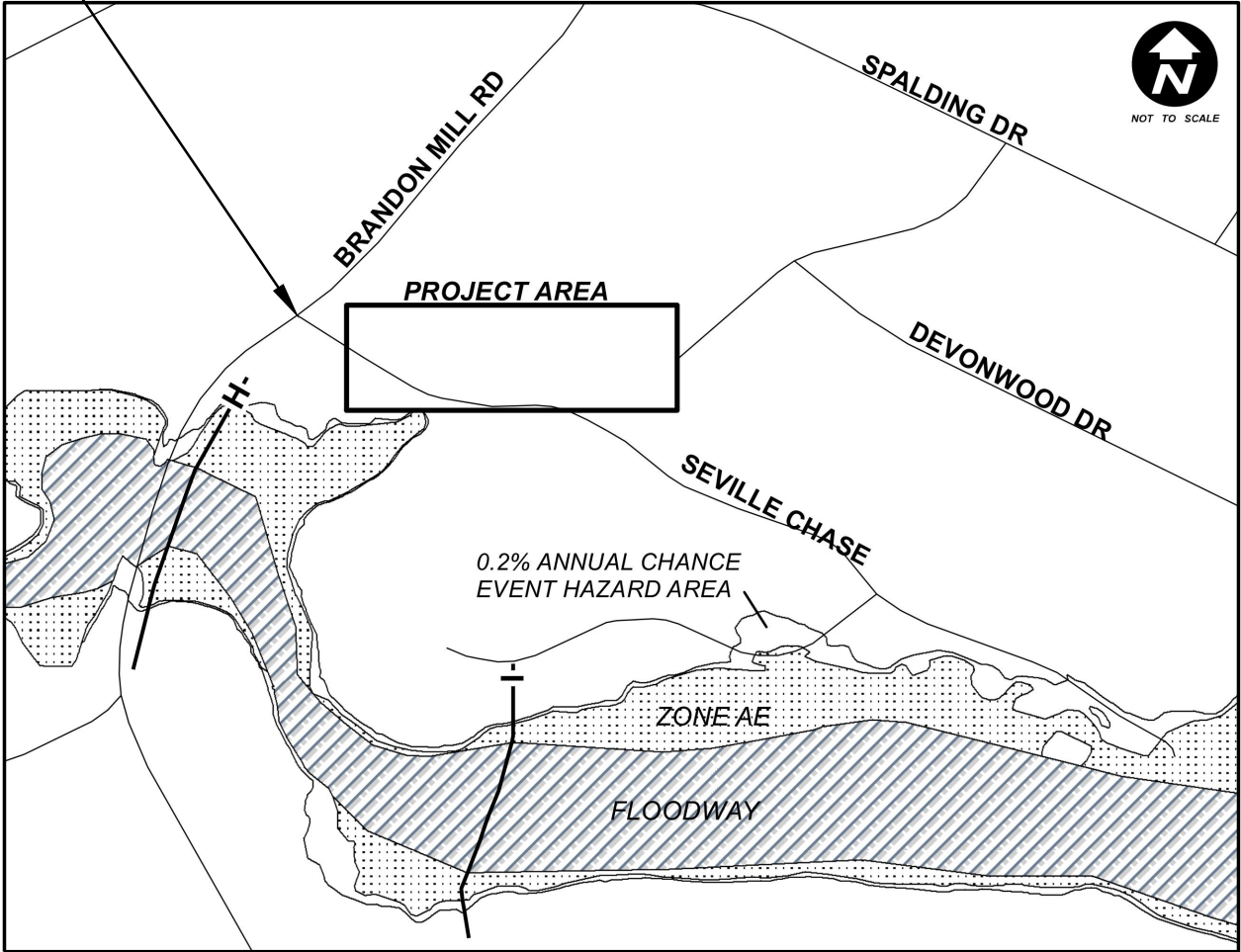
THIS PROJECT IS LOCATED AT 70 SEVILLE CHASE IN SANDY SPRINGS, GEORGIA. THIS PROJECT INCLUDES THE REMOVAL AND REPLACEMENT 51 LF OF 18" CMP WITH 51 LF OF 18" RCP; REMOVAL AND REPLACEMENT 14 LF OF 18" CMP WITH 14 LF OF 36" RCP; REMOVAL AND REPLACEMENT OF THREE CONCRETE HEADWALLS AND THEIR ASSOCIATED INLET/OUTLET STRUCTURES; REMOVAL AND REPLACEMENT OF FOUR CATCH BASIN INLETS; INSTALLATION OF 38 LF OF 30" RCP; INSTALLATION OF 70 LF OF 36" RCP; REMOVAL OF 120 LF OF 30" CMP; INSTALLATION OF CATCH BASINS, MANHOLES, AND OTHER OUTLET/INLET STRUCTURES; LINING OF APPROXIMATELY 138 LF OF 30" CMP WITH CIPP; LINING OF APPROXIMATELY 392 LF OF 36" CMP WITH CIPP; LINING OF APPROXIMATELY 106 LF OF 18" CMP WITH CIPP; AND THE REMOVAL AND REPLACEMENT OF CURB, GUTTER, AND PAVEMENT.

70 SEVILLE CHASE SANDY SPRINGS, GEORGIA 30328
LAND LOT #86; 17TH DISTRICT; ZONING DISTRICT RD-18
FOR PERMIT REVIEW

INTERSECTION OF
BRANDON MILL ROAD
AND SEVILLE CHASE

BEGIN PROJECT
N:1436339.35
E:2230008.29

END PROJECT
N:1436045.11
E:2230588.63



VICINITY MAP
NOT TO SCALE

FIRM PANEL: 13121C0134CMAP
REVISION DATE: SEPTEMBER 18, 2013

APRIL 2020



360 Interstate North Parkway, Suite 250
Atlanta, GA 30339
Phone – (404) 334-4310
Web – www.freese.com

GEORGIA PROFESSIONAL
ENGINEERING FIRM 004433

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1	ENGINEERING DESIGN

THIS PROJECT IS PREPARED USING THE HORIZONTAL COORDINATE SYSTEM ON 1985 (NAD83) EAST ZONE, AND NORTH AMERICAN VERTICAL DATUM (NAVD 1988).

THIS PROJECT HAS A TOTAL AREA OF 0.22 ACRES AND THE EXPECTED DISTURBANCE AREA IS 0.13 ACRES



24-HOUR CONTACT
THE 24 HR EMERGENCY CONTACT NUMBER FOR THE CITY OF SANDY SPRINGS IS 770-730-5600



OWNER
CITY OF SANDY SPRINGS
1 GALAMBOS WAY
SANDY SPRINGS, GA 30328
770-730-5600

Seville Chase

ACAD Ref: 23.0s (LMS Tech)
Filename: N:\WUTU\Drawings\GN-ALL-COVER.dwg
Last Saved: 4/20/2020 4:13 PM. Saved By: 02875

GENERAL NOTES

- ALL WORK TO BE DONE IN ACCORDANCE WITH THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR THE CONSTRUCTION OF TRANSPORTATION SYSTEMS, LATEST EDITION, AND SUPPLEMENTS THERETO, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION.
- ALL KNOWN UTILITY FACILITIES ARE SHOWN SCHEMATICALLY ON THE PLANS AND ARE NOT NECESSARILY ACCURATE IN LOCATION AS TO PLAN OR ELEVATION. UTILITY FACILITIES SUCH AS SERVICE LINES OR UNKNOWN FACILITIES NOT SHOWN ON THE PLANS WILL NOT RELIEVE THE CONTRACTOR OF HIS OR HER RESPONSIBILITY UNDER THIS REQUIREMENT EXCEPT AS NOTED BELOW. "EXISTING UTILITY FACILITIES" MEANS ANY UTILITY THAT EXISTS ON THE PROJECT IN ITS ORIGINAL, RELOCATED, OR NEWLY INSTALLED POSITION. THE CONTRACTOR WILL NOT BE HELD RESPONSIBLE FOR THE COST OF REPAIRS TO DAMAGED UTILITY FACILITIES OTHER THAN SERVICE FROM STREET MAINS TO ABUTTING PROPERTY, WHEN SUCH FACILITIES ARE NOT SHOWN ON THE PLANS AND THEIR EXISTENCE IS UNKNOWN TO THE CONTRACTOR PRIOR TO THE DAMAGES OCCURRING, PROVIDED THE ENGINEER DETERMINES THE CONTRACTOR HAS OTHERWISE FULLY COMPLIED WITH THE SPECIFICATIONS. ALL UTILITY FACILITIES WHICH ARE IN CONFLICT WITH CONSTRUCTION AND ARE NOT COVERED AS SPECIFIC ITEMS IN THE DETAILED ESTIMATE ARE TO BE REMOVED OR RELOCATED TO CLEAR CONSTRUCTION IN ADVANCE OF THE WORK.
- UTILITY WORK COORDINATION WILL BE REQUIRED AS PART OF THIS CONTRACT. THE CONTRACTOR WILL BE REQUIRED TO USE THE ONE-CALL CENTER TELEPHONE NUMBER, 811 FOR THE PURPOSE OF COORDINATING THE MARKING OF UNDERGROUND UTILITIES. THE CONTRACTOR'S ATTENTION IS CALLED TO SUBSECTION 105.06 OF THE GDOT STANDARD SPECIFICATIONS "COOPERATION WITH UTILITIES"
- THE FOLLOWING UTILITIES HAVE FACILITIES IN THE PROJECT AREA:

SOUTHERN COMPANY GAS GINNY MAULDIN-KINNEY VMAULDIN@SOUTHERNCO.COM 404-584-3176	AT&T COMM GREGORY DIGGS GD7890@ATT.COM; 770-423-5149 575 MOROSGO DR., ATLANTA, GA 30324
GEORGIA POWER LAMONTE WASLIEN LWASLIEN@SOUTHERNCO.COM 404-947-0729	VERIZON/MCI AND XO/AGLN COMM MICHAEL WALKER OR JESSE ALDRIDGE@MICHAEL.WALKER@VERIZON.COM; JALDRIDGE@EXPRESS-TEK.COM 770-680-5132 EXT. 2304
FULTON COUNTY ABDUL AKBAR ABDULAKBAR@FULTONCOUNTYGA.GOV 404-612-7518	TOWER CLOUD COMM GENE MANNING GENE.MANNING@UNITI.COM 334-703-9682
CITY OF ATLANTA RAHSHAD COLES RCOLES@ATLANTAGA.GOV 404-546-3201	

- THE CONTRACTOR SHALL STRICTLY ADHERE TO DUST CONTROL REGULATIONS. ALL AREAS SUBJECTED TO DUST FORMATION MUST BE PERIODICALLY WATERED SUFFICIENT TO RETARD DUST. NO SEPARATE PAYMENT WILL BE MADE FOR ANY COST INCURRED TO COMPLY WITH THIS REQUIREMENT.
- THE TOTAL AREA SHOWN ON THE PLANS FOR GRASSING IS FOR INFORMATION ONLY. THE CITY OF SANDY SPRINGS ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY. THE CONTRACTOR SHALL BID ON GRASSING COMPLETE, AND IT SHALL BE HIS OR HER RESPONSIBILITY TO DETERMINE THE ACTUAL AREA TO BE GRASSED. NO CLAIMS WILL BE CONSIDERED FOR COMPENSATION IF THE CONTRACTOR RELIES ON THE AREA SHOWN ON THE PLANS.
- TYPE OF GRASS OR SOD USED ON THIS PROJECT WILL BE REQUIRED TO MATCH ANY TYPE OF GRASS OR SOD WHICH MAY BE PLANTED AND GROWING ON THE ADJACENT LAWN. I.E. BERMUDA SOD FOR BERMUDA SOD, ZOYSIA FOR ZOYSIA ETC. NO SEPARATE PAYMENT SHALL BE MADE FOR ANY COST INCURRED TO COMPLY WITH THIS REQUIREMENT.
- INGRESS AND EGRESS SHALL BE MAINTAINED AT ALL TIMES TO ADJACENT PROPERTIES. REFER TO SUB-SECTION 107.07 OF THE GDOT STANDARD SPECIFICATIONS
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FURNISH SUITABLE BORROW MATERIAL FOR THE PROJECT AND DISPOSE OF ANY UNSUITABLE OR WASTE MATERIAL.
- SHOULD A DRIVEWAY BE DAMAGED DUE TO CONSTRUCTION, THE DRIVEWAY SHALL BE REPLACED, IN KIND, I.E. ASPHALT FOR ASPHALT AND CONCRETE FOR CONCRETE; EXCEPT EARTH AND GRAVEL DRIVEWAYS SHALL BE REPLACED WITH ASPHALT TO THE CONSTRUCTION LIMITS. THE DRIVEWAY LOCATIONS INDICATED ON THE PLANS ARE FROM THE BEST AVAILABLE DATA. THE CONTRACTOR SHALL CONSTRUCT NEW DRIVEWAYS TO MATCH ACTUAL FIELD LOCATION OF EXISTING DRIVEWAYS WHERE THEY ARE NOT IN CONFLICT WITH RULES AND REGULATIONS. THE CONTRACTOR SHALL OBTAIN THE APPROVAL OF THE ENGINEER PRIOR TO MAKING ANY REVISIONS SUCH AS TO LOCATION, WITH AND/OR NUMBER OF DRIVES TO BE CONSTRUCTED. WHERE REQUIRED, THE DRIVES SHALL BE PAVED AS FOLLOWS:

ASPHALTIC DRIVES	
RESIDENTIAL	- 1-1/2" RECY. ASPHALTIC CONCRETE, 9.5MM SUPERPAVE, GP 2 ONLY, INCL. BITUM. MAT'L & H. LIME 6" GRADED AGGREGATE BASE
CONCRETE DRIVES	
RESIDENTIAL	- 6" CONCRETE VALLEY GUTTER 6" CONCRETE DRIVEWAY

ALL DRIVEWAYS SHALL BE PAVED TO THE LIMITS OF CONSTRUCTION.

- WHERE WET SUBGRADE IS ENCOUNTERED AND WHERE IDENTIFIED BY THE ENGINEER, PERFORATED UNDERDRAIN PIPE WITH DRAINAGE AGGREGATE SHALL BE PLACED AS DIRECTED BY THE ENGINEER TO AID IN DEWATERING THE SUBGRADE.
- THE CONTRACTOR SHALL OBSERVE ALL APPLICABLE LOCAL, STATE, AND FEDERAL SAFETY REGULATIONS REGARDING PIPE INSTALLATION IN TRENCHES. NO SEPARATE PAYMENT WILL BE MADE FOR ANY COST INCURRED TO COMPLY WITH THIS REQUIREMENT.
- IN AREAS WHERE TYPE 2 CURB IS USED, DRAINAGE STRUCTURES 1033D AND 1034D WILL BE REQUIRED.
- WHERE EXISTING PAVEMENT MARKINGS AND LINES ARE IN CONFLICT WITH THE TRAFFIC PATTERN BEING USED ON CONSTRUCTION, THE CONTRACTOR SHALL REMOVE OR OVERLAY LINES TO THE SATISFACTION OF THE ENGINEER SUCH THAT THE LINES DO NOT CONFUSE THE TRAVELING PUBLIC. ALL REMAINING LINES OR MARKINGS SHALL BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", OR AS DIRECTED BY THE ENGINEER. TRAFFIC SHALL NOT BE ALLOWED ON ANY PAVEMENT NOT PROPERLY STRIPED.
- THE BID PRICE SHALL INCLUDE, BUT IS NOT LIMITED TO CONSTRUCTION, MAINTENANCE, AND REMOVAL OF TEMPORARY SIGNING AND PAVEMENT MARKINGS, BARRICADES, CHANNELING DEVICES ETC. REQUIRED FOR MAINTENANCE OF TRAFFIC DURING CONSTRUCTION. ALL TEMPORARY SIGNING AND PAVEMENT MARKING SHALL BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", CURRENT EDITION AND/OR AS DIRECTED BY THE ENGINEER. COSTS FOR THIS SHOULD BE INCLUDED UNDER TRAFFIC CONTROL.
- ALL CUT AND FILL SLOPES SHALL BE GRASSED AS DIRECTED BY THE ENGINEER IMMEDIATELY AFTER THE SLOPES ARE ESTABLISHED IN ORDER TO REDUCE EROSION. IF THE SEASON DOES NOT PERMIT GRASSING; TEMPORARY MULCH SHALL BE USED AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL ENSURE THAT POSITIVE AND ADEQUATE DRAINAGE IS MAINTAINED AT ALL TIMES WITHIN THE PROJECT LIMITS. THIS MAY INCLUDE, BUT NOT LIMITED TO, REPLACEMENT OR RECONSTRUCTION IF EXISTING DRAINAGE STRUCTURES THAT HAVE BEEN DAMAGED, REMOVED OR REGRADED AS REQUIRED BY THE ENGINEER, EXCEPT FOR THOSE DRAINAGE ITEMS SHOWN AT SPECIFIC LOCATIONS IN THE PLANS. NO SEPARATE PAYMENT WILL BE MADE FOR ANY COSTS INCURRED TO COMPLY WITH THIS REQUIREMENT.
- QUANTITIES SHOWN ON THE PLANS ARE FOR ESTIMATION PURPOSES ONLY. CONTRACTOR IS REQUIRED TO VERIFY ALL QUANTITIES TO BE INCLUDED IN THE BID PRICE.

- EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO OR CONCURRENT WITH LAND DISTURBANCE ACTIVITIES AND SHALL BE MAINTAINED AT ALL TIMES. ADDITIONAL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED IF DEEMED NECESSARY BY ON SITE INSPECTION OR AS DIRECTED BY THE ENGINEER.
- ALL SILT FENCES MUST BE PLACED AS ACCESS IS OBTAINED DURING CLEARING. NO GRADING SHALL BE DONE UNTIL SILT FENCE INSTALLATION IS COMPLETE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN ALL SILT FENCES AND TO REPAIR OR REPLACE ANY SILT FENCE THAT IS NOT SATISFACTORY. EROSION CONTROL GATES SHALL BE PLACED IMMEDIATELY AFTER DRAINAGE STRUCTURES ARE IN PLACE. ALL EROSION CONTROL DEVICES SHALL BE PLACED ACCORDING TO PLANS AND AS DIRECTED BY THE ENGINEER. SEE THE GEORGIA STANDARD SPECIFICATIONS AND THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA", CURRENT EDITION REGARDING EROSION CONTROL. THE CONTRACTOR SHALL BE RESPONSIBLE TO KEEP WETLAND AREAS FREE FROM SILTATION. THE CONTRACTOR SHALL OBTAIN AND ABIDE BY ALL CORP OF ENGINEERS RULES AND REGULATIONS CONCERNING CONSTRUCTION ADJACENT TO WATERWAYS AND MAINTAIN WATER QUALITY.
- THIS PROJECT HAS A TOTAL AREA OF 0.22 ACRES AND THE EXPECTED DISTURBANCE AREA IS 0.13 ACRES. THE TOTAL AREA IS THE TOTAL AREA OF THE RIGHT-OF-WAY AND EASEMENTS, AND THE DISTURBED AREA IS THE AREA ASSOCIATED WITH CLEARING, GRADING, EXCAVATING, FILLING OF LAND, AND OTHER SIMILAR ACTIVITIES WHICH MAY RESULT IN SOIL EROSION, AS DEFINED UNDER "CONSTRUCTION ACTIVITIES" IN THE STATE OF GEORGIA NATURAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) GENERAL PERMIT NO. GAR1000002.
- AGGREGATE SURFACE COURSE FOR TEMPORARY DRIVEWAYS, INCLUDING MATERIAL, HAUL AND PLACEMENT SHALL BE USED AT THE ENGINEER'S DIRECTION TO FACILITATE THE MOVEMENT OF LOCAL TRAFFIC THROUGH THE CONSTRUCTION AREA DURING THE INCLEMENT WEATHER. WHEN USED FOR THIS PURPOSE, SECTION 318 OF THE GEORGIA D.O.T. STANDARD SPECIFICATION IS MODIFIED TO PERMIT TRUCK DUMPING ON UNPREPARED WET, MUDDY SUBGRADE. SECTION 318 IS FURTHER MODIFIED TO PERMIT THE USE OF CRUSHER STONE AS DESCRIBED. THE CONTRACTOR WILL HAVE THE USE OF THE FOLLOWING MATERIALS:
 - GRADED AGGREGATE, ARTICLE 815.2.01
 - COURSE AGGREGATE, SIZE 467, ARTICLE 800.2.01
 - STABILIZED AGGREGATE, TYPE I OR II, SECTION 803.2 OR 803.2.02
 - CRUSHED STONE, ARTICLE 806.2.02
- CONSTRUCTION LAYOUT WILL BE REQUIRED BY THE CONTRACTOR. ALL COST FOR THIS ITEM WILL BE INCLUDED IN THE BID PRICE UNDER TRAFFIC CONTROL.
- CITY OF SANDY SPRINGS PUBLIC WORKS DEPARTMENT, SHALL BE NOTIFIED A MINIMUM OF 72 HOURS IN ADVANCE OF ALL CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL COORDINATE THIS ACTION WITH THE PROJECT ENGINEER.
- ANY ADJUSTMENTS OR RELOCATIONS OF CITY OF SANDY SPRINGS PUBLIC WORKS DEPARTMENT'S FACILITIES SHALL BE IN ACCORDANCE WITH THE CITY OF SANDY SPRINGS ORDINANCE NO. 2008-09-48. THIS DOCUMENT IS AVAILABLE AT THE DEPARTMENT'S OFFICE AT 1 CALAMBOS WAY, BUILDING 500, SANDY SPRINGS, GEORGIA 30328, TELEPHONE 770-730-5600, AND ONLINE AT WWW.SANDYSPRINGSGA.GOV
- THE 24 HR EMERGENCY CONTACT NUMBER FOR THE CITY OF SANDY SPRINGS IS 770-730-5600
- EXISTING DRIVEWAY PIPES TO BE TIED INTO CURBLINE BY CONTRACTOR
- TREES SHALL NOT BE DISTURBED UNLESS REQUIRED FOR CONSTRUCTION OR OTHERWISE DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL COMPLY WITH CITY OF SANDY SPRINGS ORDINANCES REGARDING TREE REMOVAL, IF APPLICABLE.
- RESULTS FROM OTHER MATERIALS OR COMPACTION TESTING AS REQUIRED BY GDOT STANDARDS OR SPECIFICATIONS SHALL BE PROVIDED TO THE CITY OF SANDY SPRINGS.
- CONTRACTOR SHALL REMOVE ALL FALLEN TREES AND EXISTING DEBRIS WITHIN PROJECT LIMITS.
- PRIOR TO ANY OTHER CONSTRUCTION, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED AT EACH ENTRY TO OR EXIT FROM THE SITE.
- THE CONSTRUCTION EXITS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ON TO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH STONE, AS CONDITIONS DEMANDS, AND REPAIR AND/OR CLEAN-OUT OF ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED.
- PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY THE LIMITS OF LAND DISTURBANCE SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS, OR OTHER APPROPRIATE MEANS. THE LOCATION AND EXTENT OF ALL AUTHORIZED LAND DISTURBANCE SHALL OCCUR WITHIN THE APPROVED LIMITS INDICATED ON THE APPROVED PLANS.
- IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION ENTRANCES/EXITS, ALL PERIMETER EROSION CONTROL DEVICES AND STORM WATER MANAGEMENT DEVICES SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION.
- OWNER AGREES TO PROVIDE AND MAINTAIN OFF-STREET PARKING ON THE SUBJECT PROPERTY DURING THE ENTIRE CONSTRUCTION PERIOD.
- THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES WHILE ROADWAY FRONTAGE IMPROVEMENTS ARE BEING MADE.
- THE CONSTRUCTION OF THE SITE WILL INITIATE WITH THE INSTALLATION OF EROSION CONTROL MEASURES SUFFICIENT TO CONTROL SEDIMENT DEPOSITS AND EROSION. ALL SEDIMENT CONTROL WILL BE MAINTAINED UNTIL ALL UP STREAM GROUND WITHIN THE CONSTRUCTION AREA HAS BEEN COMPLETELY STABILIZED WITH PERMANENT VEGETATION AND ALL ROADS/DRIVEWAYS HAVE BEEN PAVED.
- FAILURE TO INSTALL, OPERATE OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB SITE UNTIL SUCH MEASURES ARE CORRECTED BACK TO CITY OF SANDY SPRINGS STANDARDS.
- A COPY OF THE APPROVED LAND DISTURBANCE PLAN AND PERMIT SHALL BE PRESENT ON THE SITE WHENEVER LAND DISTURBANCE ACTIVITY IS IN PROGRESS.
- ALL SEWER EASEMENTS DISTURBED MUST BE DRESSED AND GRASSED TO CONTROL EROSION.
- ALL RCP SHALL BE CLASS III, PER GDOT STANDARD SPECIFICATIONS.
- ALL PRECAST MANHOLES SHALL BE PROVIDED WITH A MINIMUM OF 9 INCHES OF CLEARANCE ON EACH SIDE OF CONNECTING PIPE BETWEEN ALL CUT-OUTS OR PENETRATIONS.

GENERAL TRANSPORTATION NOTES

- ALL TRAFFIC CONTROL AND WARNING DEVICES MUST BE SHOWN AND PLACED PER THE MUTCD. THE TRAFFIC CONTROL PLAN IS SUBJECT TO CHANGE BY THE SANDY SPRINGS TRAFFIC ENGINEER.
- TEMPORARY TRAFFIC CONTROL AND WARNING DEVICES SHALL BE PLACED PRIOR TO THE COMMENCEMENT OF ANY ROAD IMPROVEMENT WORK ON CITY ROADS AND SHALL REMAIN IN PLACE UNTIL THE CONCLUSION OF ALL SIGNING AND STRIPING WORK.
- ALL SIGNS SHALL CONFORM TO THE MUTCD STANDARDS AND SANDY SPRINGS STANDARDS FOR COLOR, SIZE, REFLECTIVITY, HEIGHT, AND PLACEMENT.
- A CITY OF SANDY SPRINGS UTILITY PERMIT IS REQUIRED FOR ANY CONSTRUCTION WITHIN THE ROW. REFER TO THE CITY'S UTILITY PERMIT POLICY FOR REQUIREMENTS.
- CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF THE AS-BUILT STATUS OF DOWNSTREAM DRAINAGE IMPROVEMENTS PRIOR TO BEGINNING CONSTRUCTION AND ADVISE THE ENGINEER OF ANY DIFFERENCES NOTED BETWEEN FIELD CONDITIONS AND WHAT IS DEPICTED ON THE CONSTRUCTION DOCUMENTS.
- SAWCUT MUST BE USED IN ANY AREA WHERE NEW PAVEMENT WILL ABUT EXISTING PAVEMENT.
- NO CLOSURES OF OR ENCROACHMENTS INTO THE PEDESTRIAN, BICYCLE, OR VEHICULAR TRAVEL AREAS SHALL BE DONE WITHOUT PRIOR APPROVAL FROM THE SANDY SPRINGS TRAFFIC ENGINEER. ALL PROPOSED PLANS FOR CLOSURES AND ENCROACHMENTS SHALL BE SUBMITTED AT LEAST TWO WEEKS PRIOR TO INTENDED BEGINNING AND MUST BE APPROVED PRIOR TO COMMENCEMENT.

CIPP NOTES

- CONTRACTOR TO PROVIDE 3RD PARTY CCTV INSPECTION REPORT IN GRANITE XP, HARD COPY, AND ON USB DRIVE WITH VIDEO. CCTV REQUIREMENTS ARE DETAILED IN GDOT SPECIFICATION SECTION 936 - CCTV SYSTEM, GDOT SPECIFICATION 660.2 AND GDOT SPECIFICATION 660.0.05.
- RESULTS FROM OTHER MATERIALS OR COMPACTION TESTING AS REQUIRED BY GDOT STANDARDS OR SPECIFICATIONS SHALL BE PROVIDED TO THE CITY OF SANDY SPRINGS.
- THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE SUPPLEMENTAL CIPP SPECIFICATION DOCUMENT PROVIDED BY CITY OF SANDY SPRINGS.

GENERAL TRAFFIC CONTROL NOTES

- THE CONTRACTOR SHALL CHECK ALL TRAFFIC CONTROL DEVICES AND WORK ZONES BEFORE, DURING, AND AFTER EACH WORK DAY TO ENSURE PROPER OPERATION. ON WEEKENDS, HOLIDAYS, OR ANY NON-WORKING DAYS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING THE TRAFFIC MAINTENANCE AND CONTROL DEVICES DAILY FOR PROPER OPERATION.
- TRAFFIC SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION, UNLESS OTHERWISE APPROVED BY THE CITY OF SANDY SPRINGS. RESIDENT, MAIL AND PARCEL DELIVERY SERVICE, TRASH PICKUP, AND EMERGENCY VEHICLE ACCESS SHALL BE MAINTAINED AT ALL TIMES REGARDLESS OF THE LANE AND/OR STREET CLOSURES IN EFFECT.
- DURING NON-WORKING HOURS OR DAYS, ALL EXCAVATED AREAS ARE TO BE BACKFILLED OR SECURED AND PROTECTED USING APPROVED SAFETY DEVICES AND MATERIALS.
- WHEN THE USE OF TYPE III BARRICADES IS REQUIRED (DAY OR NIGHT), ALL BARRICADES SHALL BE EQUIPPED WITH TYPE B HIGH INTENSITY FLASHING WARNING LIGHTS.
- ALL CONTRACTOR EMPLOYEES EXPOSED TO VEHICULAR TRAFFIC SHALL BE PROVIDED WITH AND REQUIRED TO WEAR WARNING VESTS MARKED WITH OR MADE OF REFLECTORIZED OR HIGH VISIBILITY MATERIALS.
- FOR CONSTRUCTION OPERATIONS LASTING LONGER THAN 14 CALENDAR DAYS, THE CONTRACTOR SHALL INSTALL "ROAD WORK AHEAD" SIGNS (W21-4, 48" x 48") AND "END ROAD WORK" (G20-2A, 48" x 24") WARNING SIGNS ON 6" x 6" WOODEN GROUND MOUNTED POSTS. THESE SIGNS MUST BE INSTALLED PRIOR TO BEGINNING WORK AND SHALL BE REMOVED AFTER COMPLETION OF ALL CONSTRUCTION AND RESTORATION ACTIVITIES.
- ANY TRAFFIC CONTROL DEVICES INCLUDED BUT NOT LIMITED TO PAVEMENT MARKINGS, SIGNS, AND TRAFFIC SIGNAL EQUIPMENT AND LOOPS THAT IS DAMAGED OR DESTROYED BY THE CONTRACTOR MUST BE REPLACED AT THE CONTRACTOR'S EXPENSE UNLESS THEIR REMOVAL OR DESTRUCTION IS CALLED FOR BY THE CONSTRUCTION DOCUMENTS.
- WHERE EXISTING PAVEMENT MARKINGS AND LINES ARE IN CONFLICT WITH THE TRAFFIC PATTERN BEING USED ON CONSTRUCTION, THE CONTRACTOR SHALL REMOVE OR OVERLAY LINES TO THE SATISFACTION OF THE ENGINEER SUCH THAT THE LINES DO NOT CONFUSE THE TRAVELING PUBLIC. ALL REMAINING LINES OR MARKINGS SHALL BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", CURRENT EDITION AND/OR AS DIRECTED BY THE ENGINEER. ADDITIONAL DETOUR SIGNAGE MAY BE REQUIRED IN ORDER TO CONFORM TO THE MUTCD.
- PEDESTRIAN AND LOCAL VEHICULAR TRAFFIC SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION. SAFETY DEVICES AND FLAG-MEN SHALL BE PROVIDED BY THE CONTRACTOR AT HIS EXPENSE. WRITTEN PERMISSION TO CLOSE THE CONSTRUCTION AREA TO TRAFFIC MUST BE OBTAINED FROM THE CITY OF SANDY SPRINGS PRIOR TO THE CLOSING. ALL LOCAL EMERGENCY SERVICES SHALL BE NOTIFIED IN WRITING A MINIMUM OF 72 HOURS PRIOR TO ROAD CLOSINGS.
- DURING CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY TRAFFIC CONTROL MEASURES TO ENSURE SAFETY AT ALL TIMES FOR EMPLOYEES, RESIDENTS, AND MOTORISTS, IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", ANSI D0.6, LATEST REVISION.
- THE CONTRACTOR'S ATTENTION IS DIRECTED TO ARTICLES 104.05, 107.07 AND 107.09 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS FOR TRAFFIC CONTROL AND SEQUENCE OF OPERATIONS IN REGARDS TO MAINTENANCE OF TRAFFIC DURING CONSTRUCTION.

UTILITY NOTES

- WATER MAINS SHALL BE LAID SO THAT THE MINIMUM DEPTH OF COVER IS FOUR (4) FEET AND THE MAXIMUM COVER IS FIVE (5) FEET. ANY DEVIATION MUST BE SPECIFICALLY APPROVED BY CITY OF ATLANTA DEPARTMENT OF WATERSHED MANAGEMENT.
- WATER LINES SHALL BE INSTALLED ABOVE ALL SEWER LINES. ALL SEWER LINES SHALL BE INSTALLED BELOW EXISTING WATER LINES.
- WHERE REQUIRED TO CLEAR EXISTING UTILITIES, THE VERTICAL ALIGNMENT OF THE PROPOSED WATER MAIN SHALL BE ADJUSTED TO ALLOW A MINIMUM CLEARANCE OF 12 INCHES. SUCH ADJUSTMENT SHALL CONFORM TO THE DEPTH OF COVER REQUIREMENTS AS STATED ABOVE.
- WHEN WATER MAINS CROSS SEWERS, A MINIMUM VERTICAL SEPARATION OF 18 INCHES MUST BE PROVIDED BETWEEN THE TWO (2) PIPES (MEASURED EDGE TO EDGE). AT CROSSINGS, ONE LENGTH OF WATER PIPE MUST BE LOCATED SO THAT BOTH JOINTS ARE AS FAR FROM THE SEWER AS POSSIBLE.
- CONTRACTOR TO TAKE SPECIAL CARE TO AVOID CAUSING DAMAGE TO ALL UTILITIES.
- MINIMUM COVER REQUIRED FOR BURIED ELECTRICAL UTILITIES IS 30-INCHES. CONTRACTOR TO ENSURE COVER REQUIREMENT IS MET. CONTRACTOR TO ENSURE THAT 6-INCHES OF SEPARATION IS PROVIDED BETWEEN THE STORM SYSTEM AND THE BURIED ELECTRICAL UTILITIES.
- AT&T WILL EXPOSE THEIR BURIED UTILITIES IN ADVANCE OF CONSTRUCTION. CONTRACTOR TO ALERT THE CITY AND THE ENGINEER IF THEY OBSERVE THIS ACTION WAS NOT CARRIED OUT.
- A RELOCATION PLAN FOR THE BURIED GAS UTILITIES IS PROVIDED AS AN ATTACHMENT TO THIS PLAN SET. CONTRACTOR IS RESPONSIBLE TO REVIEW THE PLAN AND RELOCATE THESE UTILITIES AS REQUIRED. CONTRACTOR TO COORDINATE WITH SOUTHERN COMPANY GAS PRIOR TO BEGINNING WORK.

SURVEY NOTES

- HORIZONTAL DATUM: GEORGIA STATE PLANE COORDINATE SYSTEM, NAV 83, WEST ZONE (GA83-WF)

GEORGIA D.O.T. STANDARDS AND CONSTRUCTION DETAILS		
STANDARD DRAWING NO.	REVISION DATE	DESCRIPTION
1001B	08/99	PIPE CULVERT CONCRETE HEADWALL
1019A	08/99	DROP INLET
1033D	08/82	SINGLE WING CATCH BASIN
1034D	08/82	DOUBLE WING CATCH BASIN
1401	08/99	PAVEMENT PATCHING DETAILS (STORM DRAIN OR UTILITY INSTALLATIONS BY OPEN ACROSS EXISTING PAVEMENT)
9102	03/06	TRAFFIC CONTROL DETAIL FOR LANE CLOSURE ON TWO-LANE HIGHWAY
9100	03/06	TRAFFIC CONTROL GENERAL NOTES, STANDARD LEGEND, AND MISCELLANEOUS DETAILS
9032b	11/11	CONCRETE CURB AND GUTTER, CONCRETE CURBS, CONCRETE MEDIANS
1030d	09/01	STANDARDS, CULVERTS, DRAINAGE, DRAINAGE STRUCTURES



Know what's below.
Call before you dig.

Permitted
Date: 04/27/2020
PERMIT # PW20-00014R1

These plans were NOT reviewed with respect to any building codes or structural design. Code compliance and structural integrity are the responsibility of the owner and builder. The building permit is subject to all City of Sandy Springs ordinances and Georgia State laws.

GEORGIA PROFESSIONAL ENGINEERING FIRM 004433



FREES
NICHOLS

360 Interstate North Parkway,
Suite 250A, Atlanta, GA 30339
Phone - (404) 334-4310
Web - www.freese.com

CITY OF SANDY SPRINGS
SEVILLE CHASE
DRAINAGE IMPROVEMENTS PROJECT
GENERAL
GENERAL NOTES

FILE NO.	SSG18458
DATE	04/20/20
DESIGNED	JLU
DRAWN	CKM
REVISED	
CHECKED	JCS
FILE NAME	GN-ALL-COVER.dwg
ISSUED FOR BID	JLU
BY	
NO.	1
VERIFY SCALE	0
Bar: is one inch on original drawing. If not one inch on this sheet, adjust scale.	
SHEET	G-1
SEQ.	

BENCHMARK
99033
N:1436474.12
E:2230036.24
ELEV 924.14
CP

24 HOUR CONTACT

THE 24 HR EMERGENCY CONTACT
NUMBER FOR THE CITY OF SANDY
SPRINGS IS 770-730-5600



Know what's below.
Call before you dig.



0 10' 20' 30' 60'
SCALE IN FEET
HORIZONTAL

NOTES:

1. CONTRACTOR SHALL VERIFY LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO BEGINNING OF CONSTRUCTION.
2. EXISTING SURVEY INFORMATION PROVIDED BY OTHERS.

GEORGIA PROFESSIONAL
ENGINEERING FIRM 004433



360 Interstate North Parkway,
Atlanta, GA 30339
Phone - (404) 334-4310
Web - www.freese.com

CITY OF SANDY SPRINGS
SEVILLE CHASE
DRAINAGE IMPROVEMENTS PROJECT
CIVIL
OVERALL EXISTING CONDITIONS PLAN

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BRANDON
MILL ROAD

SEVILLE CHASE
(VARIABLE RIGHT OF WAY)

PLAN 1 WEST
SHEET C-2

PLAN 2 EAST
SHEET C-3

APPROXIMATE CENTERLINE FOR
REFERENCE ONLY

UNNAMED TRIBUTARY TO MARSH CREEK

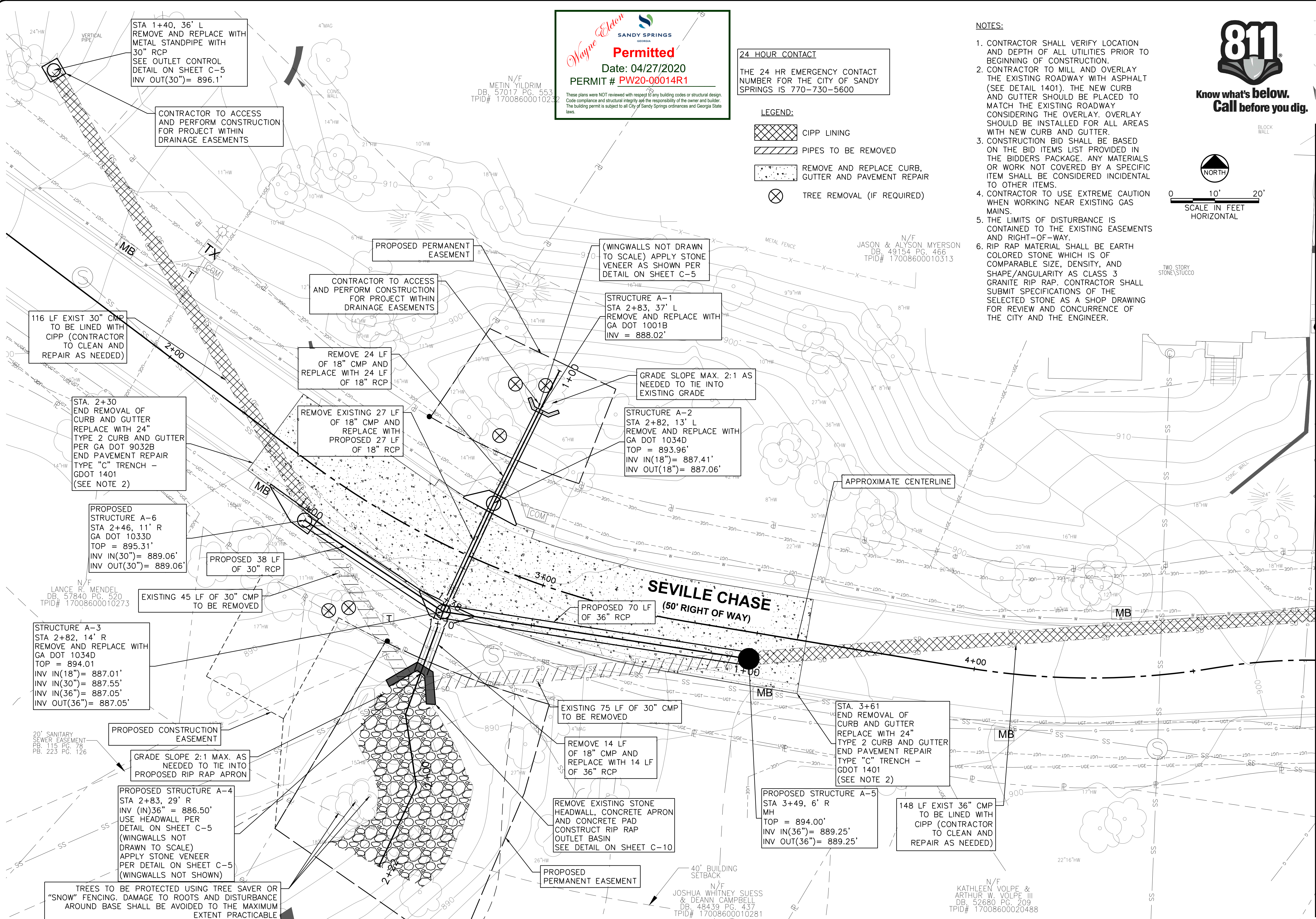
BENCHMARK
99004
N:1436021.82
E:2230657.63
ELEV 929.41
CP

SEVILLE CHASE
(50' RIGHT OF WAY)

Wayne Elston
SANDY SPRINGS
GEORGIA
Permitted
Date: 04/27/2020
PERMIT # PW20-00014R1

These plans were NOT reviewed with respect to any building codes or structural design. Code compliance and structural integrity are the responsibility of the owner and builder. The building permit is subject to all City of Sandy Springs ordinances and Georgia State laws.

ACAD Ref: 23.0s (LMS Tech)
Filename: N:\WTU\Drawings\CV-ALL-SITE.dwg
Last Saved: 4/20/2020 4:07 PM. Saved By: 02875



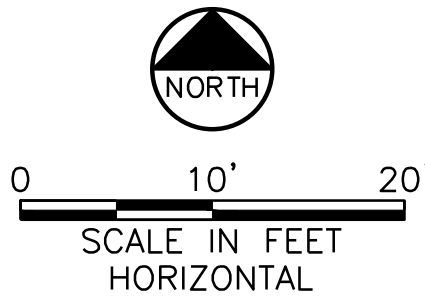
Wagne Eleton
SANDY SPRINGS
GEORGIA
Permitted
Date: 04/27/2020
PERMIT # PW20-00014R1
These plans were NOT reviewed with respect to any building codes or structural design. Code compliance and structural integrity are the responsibility of the owner and builder. The building permit is subject to all City of Sandy Springs ordinances and Georgia State laws.

24 HOUR CONTACT
THE 24 HR EMERGENCY CONTACT NUMBER FOR THE CITY OF SANDY SPRINGS IS 770-730-5600

- LEGEND:**
- CIPP LINING
 - PIPES TO BE REMOVED
 - REMOVE AND REPLACE CURB, GUTTER AND PAVEMENT REPAIR
 - TREE REMOVAL (IF REQUIRED)

- NOTES:**
- CONTRACTOR SHALL VERIFY LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO BEGINNING OF CONSTRUCTION.
 - CONTRACTOR TO MILL AND OVERLAY THE EXISTING ROADWAY WITH ASPHALT (SEE DETAIL 1401). THE NEW CURB AND GUTTER SHOULD BE PLACED TO MATCH THE EXISTING ROADWAY CONSIDERING THE OVERLAY. OVERLAY SHOULD BE INSTALLED FOR ALL AREAS WITH NEW CURB AND GUTTER.
 - CONSTRUCTION BID SHALL BE BASED ON THE BID ITEMS LIST PROVIDED IN THE BIDDERS PACKAGE. ANY MATERIALS OR WORK NOT COVERED BY A SPECIFIC ITEM SHALL BE CONSIDERED INCIDENTAL TO OTHER ITEMS.
 - CONTRACTOR TO USE EXTREME CAUTION WHEN WORKING NEAR EXISTING GAS MAINS.
 - THE LIMITS OF DISTURBANCE IS CONTAINED TO THE EXISTING EASEMENTS AND RIGHT-OF-WAY.
 - RIP RAP MATERIAL SHALL BE EARTH COLORED STONE WHICH IS OF COMPARABLE SIZE, DENSITY, AND SHAPE/ANGULARITY AS CLASS 3 GRANITE RIP RAP. CONTRACTOR SHALL SUBMIT SPECIFICATIONS OF THE SELECTED STONE AS A SHOP DRAWING FOR REVIEW AND CONCURRENCE OF THE CITY AND THE ENGINEER.

811
Know what's below.
Call before you dig.



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FREESE & NICHOLS
360 Interstate North Parkway,
Atlanta, GA 30339
Phone - (404) 334-4310
Web - www.freese.com

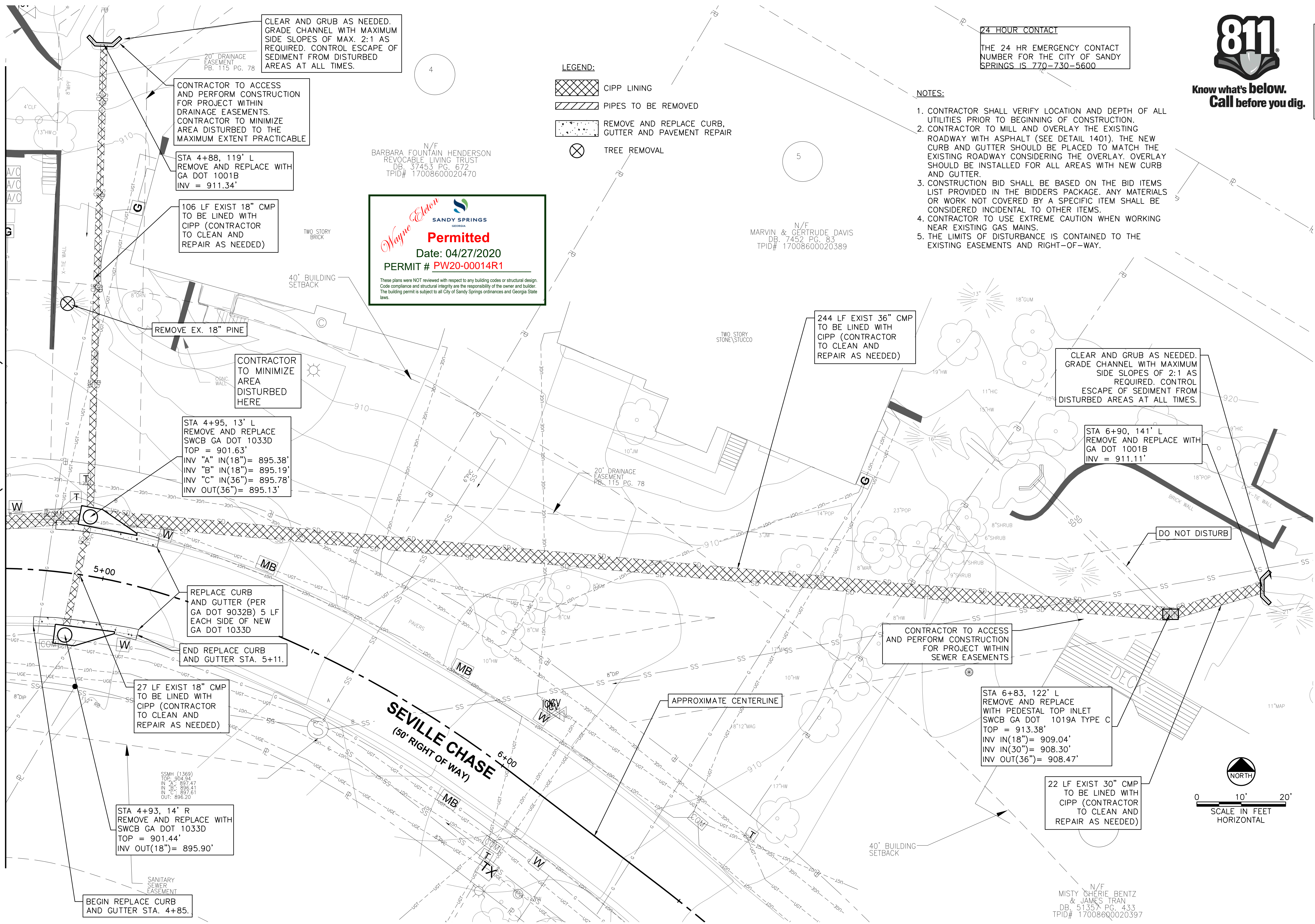
**CITY OF SANDY SPRINGS
SEVILLE CHASE
DRAINAGE IMPROVEMENTS PROJECT
CIVIL
DETAIL PLAN 1 WEST**

MATCHLINE (SEE SHEET C-3)

REV	DATE	BY	ISSUED FOR	FILE NAME
0	04/20/20	JUL	ISSUED FOR BID	CV-ALL-SITE.dwg

SHEET C-2

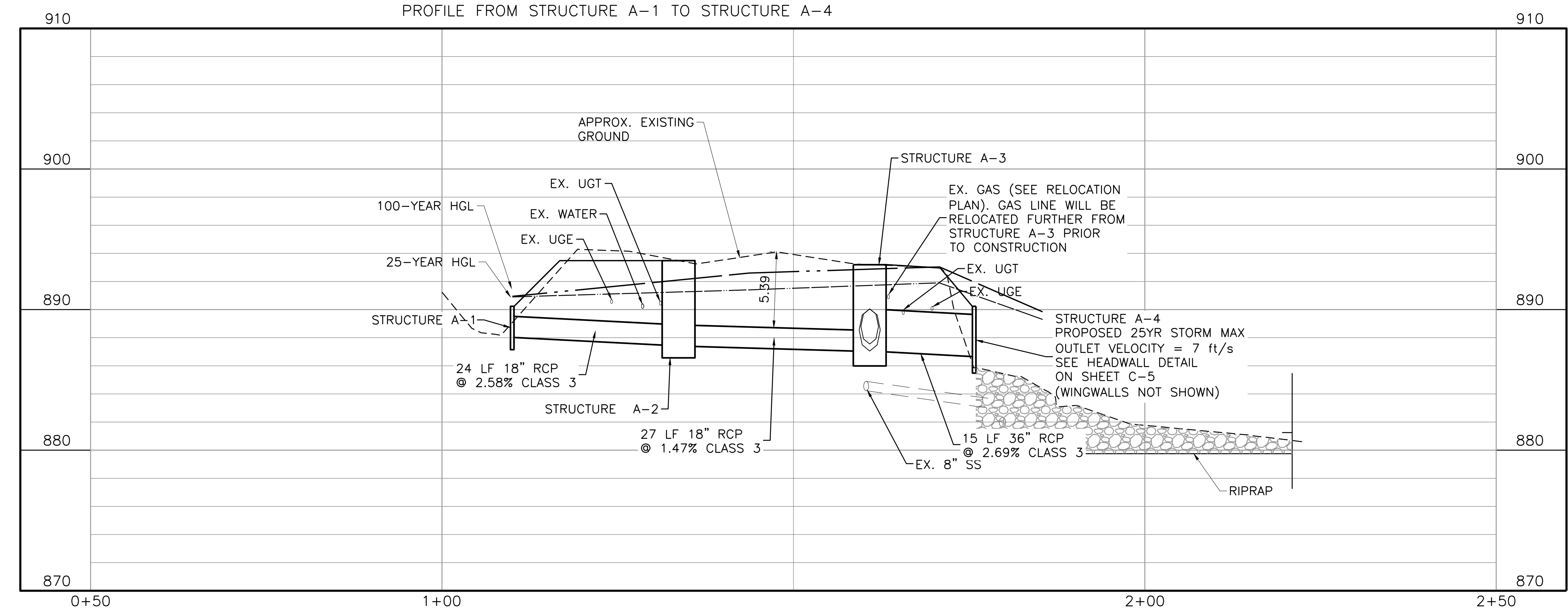
SEQ.



MATCHLINE (SEE SHEET C-2)

CLEAR AND GRUB AS NEEDED.
GRADE CHANNEL WITH MAXIMUM
SIDE SLOPES OF MAX. 2:1 AS
REQUIRED. CONTROL ESCAPE OF
SEDIMENT FROM DISTURBED
AREAS AT ALL TIMES.

ACAD Ref: 23.0s (LMSTech)
Filename: N:\WTU\Drawings\CV-ALL-SITE.dwg
Last Saved: 4/20/2020 4:07 PM. Saved By: 02875



Wayne Eldon SANDY SPRINGS GEORGIA
Permitted
Date: 04/27/2020
PERMIT # PW20-00014R1

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811
Know what's below.
Call before you dig.

GEORGIA PROFESSIONAL
ENGINEERING FIRM 004433

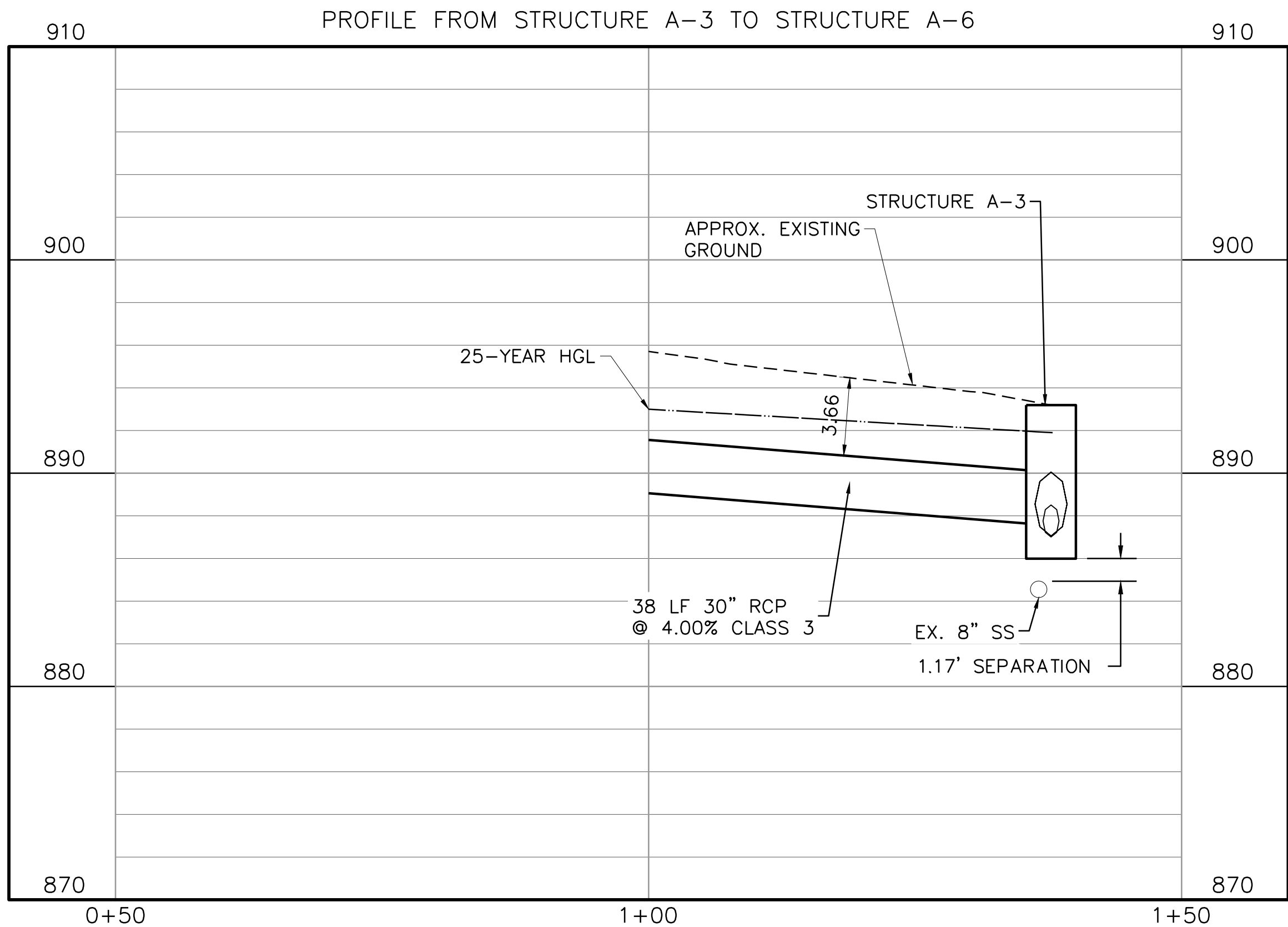
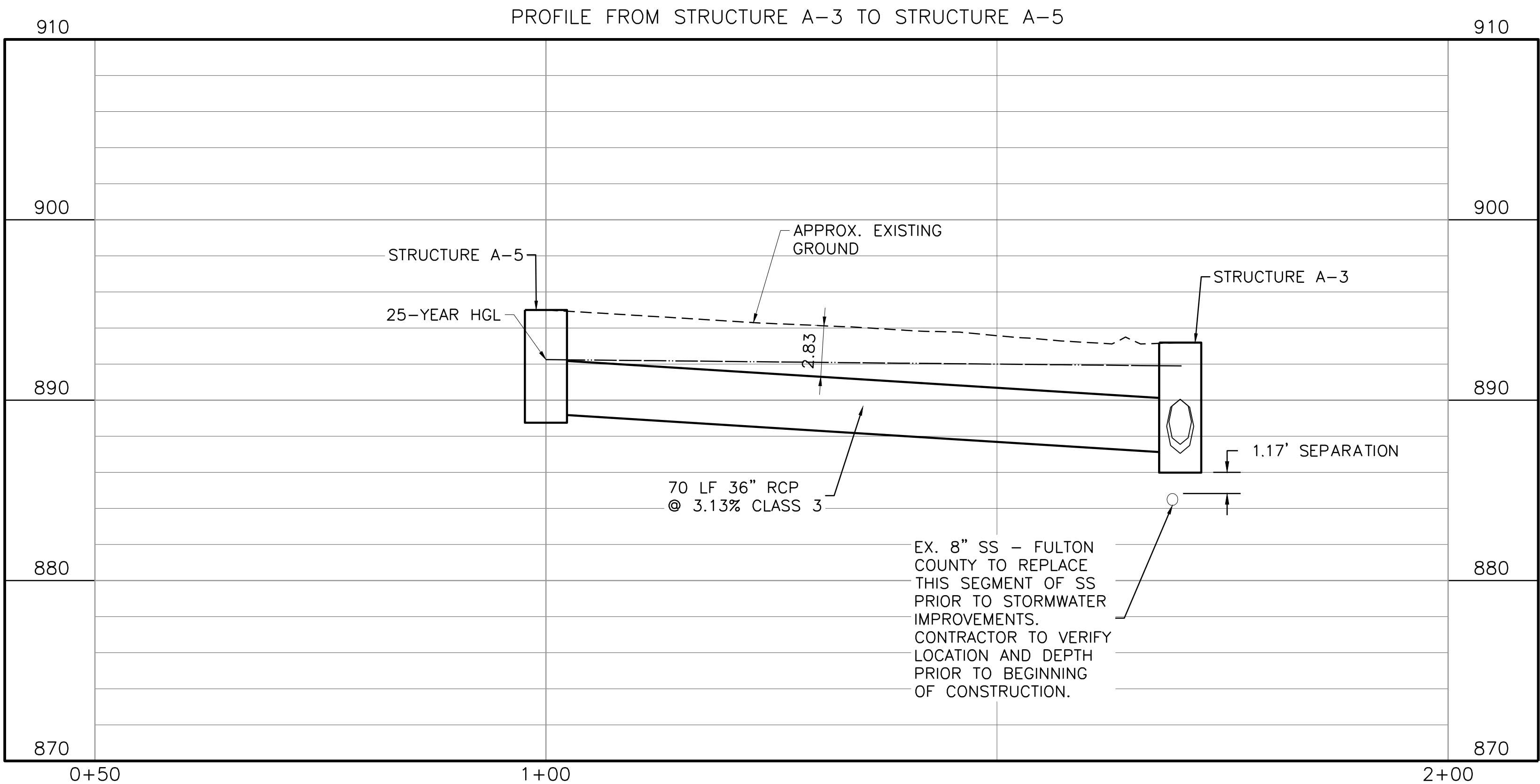


24 HOUR CONTACT

THE 24 HR EMERGENCY CONTACT
NUMBER FOR THE CITY OF SANDY
SPRINGS IS 770-730-5600

NOTE:

RIP RAP MATERIAL SHALL BE EARTH
COLORED STONE WHICH IS OF COMPARABLE
SIZE, DENSITY, AND SHAPE/ANGULARITY AS
CLASS 3 GRANITE RIP RAP. CONTRACTOR
SHALL SUBMIT SPECIFICATIONS OF THE
SELECTED STONE AS A SHOP DRAWING FOR
REVIEW AND CONCURRENCE OF THE CITY
AND THE ENGINEER.



0 20' 40'
SCALE IN FEET
HORIZONTAL

0 10' 20'
SCALE IN FEET
VERTICAL

FRESE & NICHOLS
360 Interstate North Parkway,
Suite 2500 30339
Atlanta, GA 30339
Phone - (404) 334-4310
Web - www.freese.com

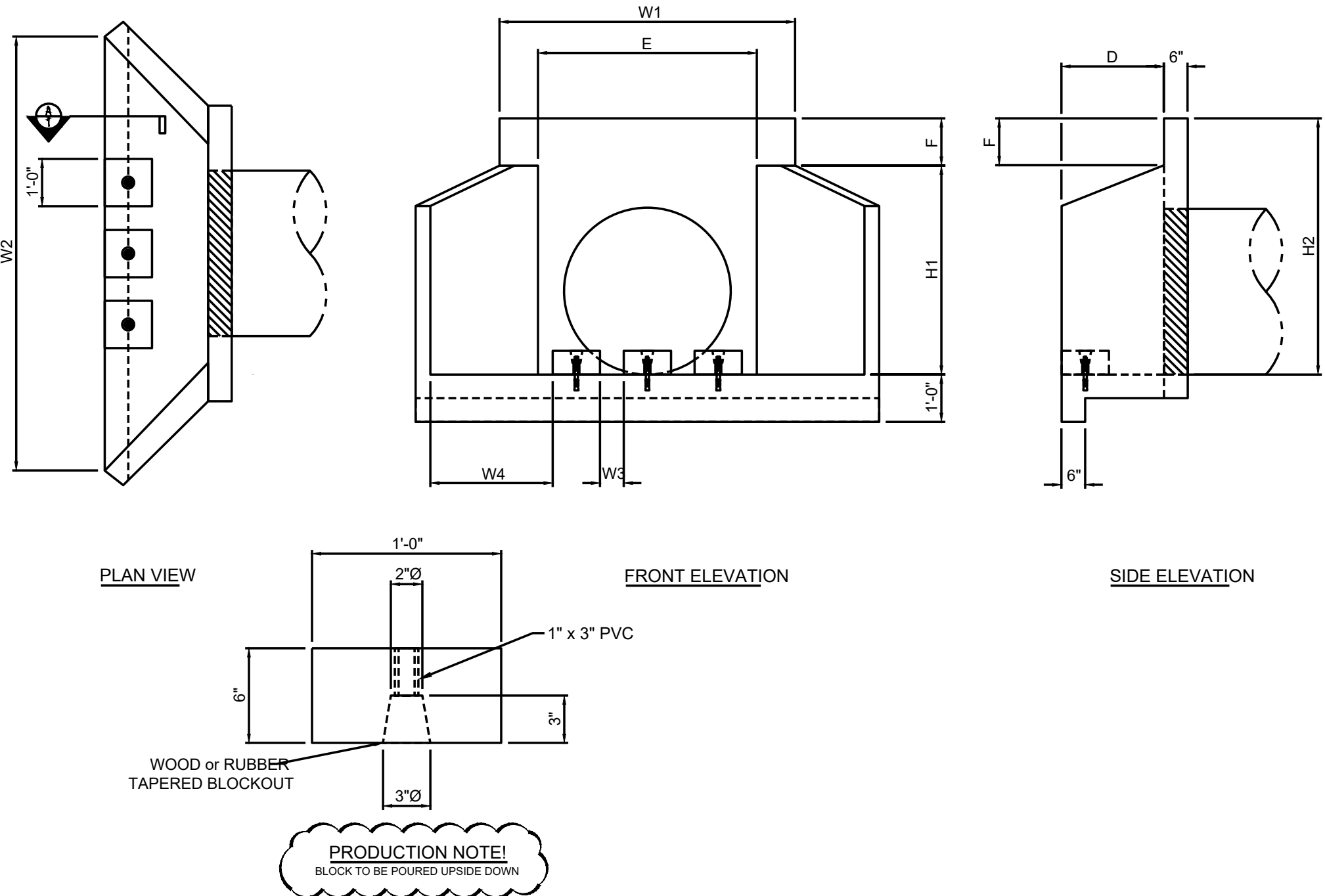
CITY OF SANDY SPRINGS
SEVILLE CHASE
DRAINAGE IMPROVEMENTS PROJECT
CIVIL
PROFILES

F&N JOB NO. SSG18458		DATE	04/20/20	DESIGNED	JLU	CHECKED	CKM	FILE NAME	CV-ALL-SITE.dwg		
		DRAWN	04/20/20	REVIS		CHECKED	JCS				
		ISSUED FOR BID	JLU	DATE	04/20/20	BY					
		NO.	0	Bar is one inch on original drawing. If not one inch on this sheet, adjust scale.							
		VERIFY SCALE	0								
SHEET		C-4									
SEQ.											

STONE VENEER DETAIL

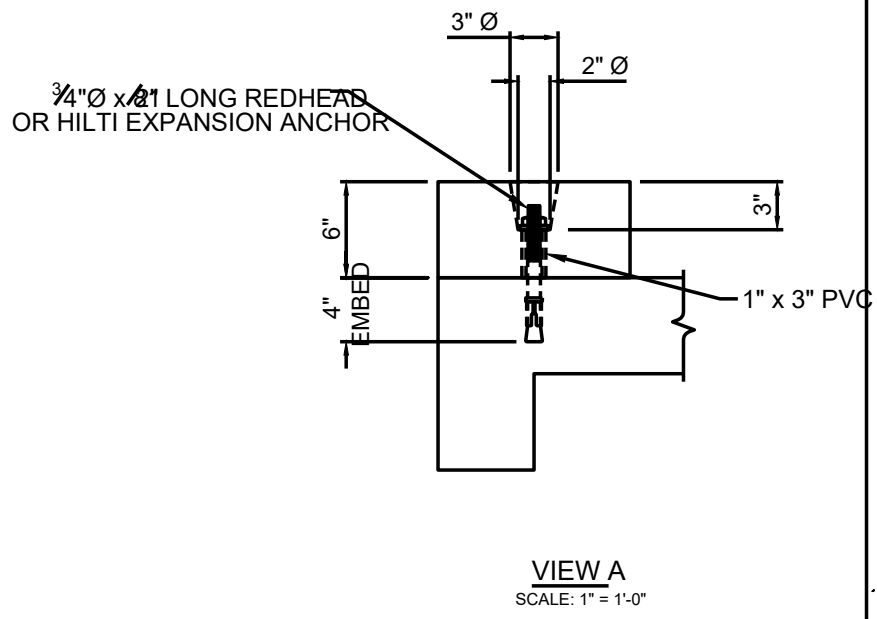


STONE VENEER FOR HEADWALLS TO CLOSELY MATCH. ATTACH STONE VENEER TO FACE WITH BRICK TIES AT 24"X24" MAXIMUM SPACING PER THE MANUFACTURER'S SPECIFICATIONS.



PRODUCTION NOTE!
BLOCK TO BE POURED UPSIDE DOWN

Headwall Dimensions (RCP)													
Inside Diameter of Pipe	W1	W2	H1	H2	D	E	F	W3	W4	Block Length x Width	Block Height	# of Deflector Blocks	Weight (lbs)
12",15",18",21",24",27"	3'-6"	4'-7"	2'-2 1/2"	3'-2"	1'-3"	2'-1"	11 1/2"	6"	N/A	N/A	N/A	N/A	SEE PRODUCTION DRAWINGS FOR WEIGHTS
33"	4'-3 1/2"	7'-3"	3'-0 1/2"	4'-0 1/2"	2'-0 1/2"	2'-9 1/2"	1'-0"	6"	1'-8"	12" x 12"	6"	3	
36",39"	4'-10 1/2"	7'-10"	3'-1 1/2"	4'-1 1/2"	2'-1 1/4"	3'-4 1/2"	1'-0"	6"	1'-11"	12" x 12"	6"	3	
42",48",54"	6'-3"	9'-2"	4'-5"	5'-5"	2'-2"	4'-7 1/2"	1'-0"	6"	1'-1"	12" x 12"	6"	5	
60",62"	6'-6 1/2"	9'-1"	4'-5"	5'-11"	2'-2"	5'-2"	1'-6"	6"	1'-0 1/2"	12" x 12"	6"	5	
66",72"	7'-6 1/2"	11'-2"	6'-2"	7'-2"	2'-9"	6'-2 1/2"	1'-0"	6"	2'-1"	12" x 12"	6"	5	
78",84",92",96"	9'-6"	13'-8 1/2"	8'-1 1/2"	9'-9 1/2"	2'-9"	8'-3"	1'-8"	6"	1'-10"	12" x 12"	6"	7	



VIEW A
SCALE: 1" = 1'-0"

Oldcastle Infrastructure
ATLANTA 4080 Chas - Stone Mountain, GA 30088-1026
Phone: 770-884-8400 Fax: 770-884-8401

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HEADWALL DISSIPATORS
PRODUCTION DRAWING

CUSTOMER

DATE	SUB	DRAWN	ENGINEER	CHECKED	SUBMITTER
11/15/19	—	NMc	SB	SB	—

Headwall w-Dissipator Block

REVISION	REV DATE	SHEET
—	—	1 OF 1

APPROVED FOR PRODUCTION
Date: 07/27/20
Checked By: SB-VIA/ACD

GENERAL DESIGN NOTES:
(1)-ACI 318
(2)-APPLICABLE DESIGN CODES: ASTM C913 STANDARD SPECIFICATION FOR PRECAST CONCRETE WATER & WASTE WATER STRUCTURES.
(3)-STRUCTURE RATED FOR AASHTO PEDESTRIAN (VERT) LIVE LOAD (IN POND)
(4)-GROUNDWATER TABLE : ASSUMED @ INVERT OF WEIR.
(5)-LATERAL DESIGN PRESSURES: 62.4 PCF (WATER)
(6)-CONCRETE 28 DAY COMPRESSIVE STRENGTH: 5000 PSI @ 28 DAYS
(7)-STEEL REINFORCEMENT: REBAR, ASTM A 615, GRADE 60.
(8)-CALCULATIONS DO NOT INCLUDE ANY LATERAL OR SURCHARGE LOADS PRODUCED BY OTHER FOOTINGS OR FOUNDATIONS ADJACENT TO THIS STRUCTURE. STRUCTURE SHALL BE KEPT A MINIMUM OF 2:1 RATIO AWAY FROM OTHER FOOTINGS OR FOUNDATIONS.
(9)-BUOYANCY CHECK OF FOOTER ADEQUATE AGAINST UPLIFT AT F.S. OF 1.1, MAX WATER TABLE AT WEIR INVERT.
(10)-STRUCTURAL CALCULATIONS AVAILABLE UPON REQUEST.
(11)-O.C. NOTE: IF REQUIRED FOR STRUCTURAL STABILITY, OLDCASTLE TO LEAVE BARS ACROSS WEIRS IN RISERS. BARS TO BE CUT IN FIELD AFTER SET.

WEIGHTS

SECTION	WEIGHT (LBS)	CONCRETE (CY)
BASE	4,373	1.08

APPROVED
FOR FABRICATION

DATE: _____
BY: _____

Oldcastle Infrastructure
ATLANTA 4080 Chas - Stone Mountain, GA 30088-1026
Phone: 770-884-8400 Fax: 770-884-8401

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3' x 3' x 3'-9" OCS
SUBMITTAL DRAWING
FREESSE & NICHOLS OCS
STONE MOUNTAIN, GA
CUSTOMER:
FREESSE & NICHOLS

DATE	SUB	DRAWN	ENGINEER	CHECKED	SUBMITTER
12/20/20	ST	NMc	NK	NK	STUDOCK

10-S110000-2-0-0-15 OCS Freese & Nichol

REV DATE: —

1 OF 1

NOTES:

THIS DETAIL, OR SIMILAR, SHALL BE USED FOR THE PROPOSED OUTLET CONTROL STRUCTURE. A SHOP DRAWING SHALL BE PROVIDED TO THE CITY AND THE ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION.

NOTES:

THIS DETAIL, OR SIMILAR, SHALL BE USED FOR PROPOSED HEADWALL STRUCTURE A-4 SEEN ON SHEET C-2. A SHOP DRAWING SHALL BE PROVIDED TO THE CITY AND THE ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION.



Know what's below.
Call before you dig.

GEORGIA PROFESSIONAL
ENGINEERING FIRM 004433



FREESSE & NICHOLS

360 Interstate North Parkway,
Suite 250
Atlanta, GA 30339
Phone - (404) 334-4310
Web - www.freese.com

CITY OF SANDY SPRINGS
SEVILLE CHASE
DRAINAGE IMPROVEMENTS PROJECT

CIVIL
DETAILS

F&N JOB NO. SSG18458

DATE 04/20/20

DESIGNED JLL

DRAWN CKM

REVISION

CHECKED JCS

ISSUED FOR BID

DATE

BY

FILE NAME

GN-ALL-COVER.dwg

NO. 0

VERIFY SCALE

Bar is one inch on original drawing, if not one inch on this sheet, adjust scale.

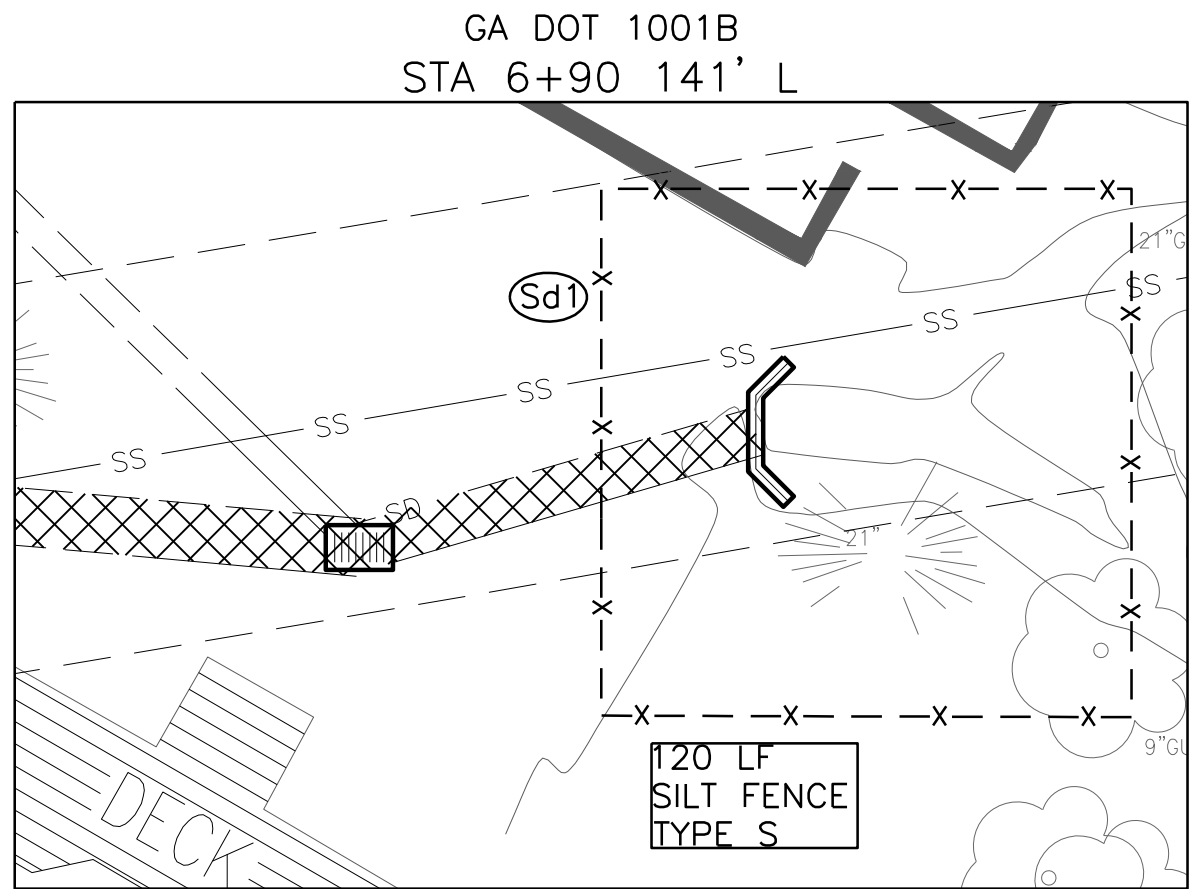
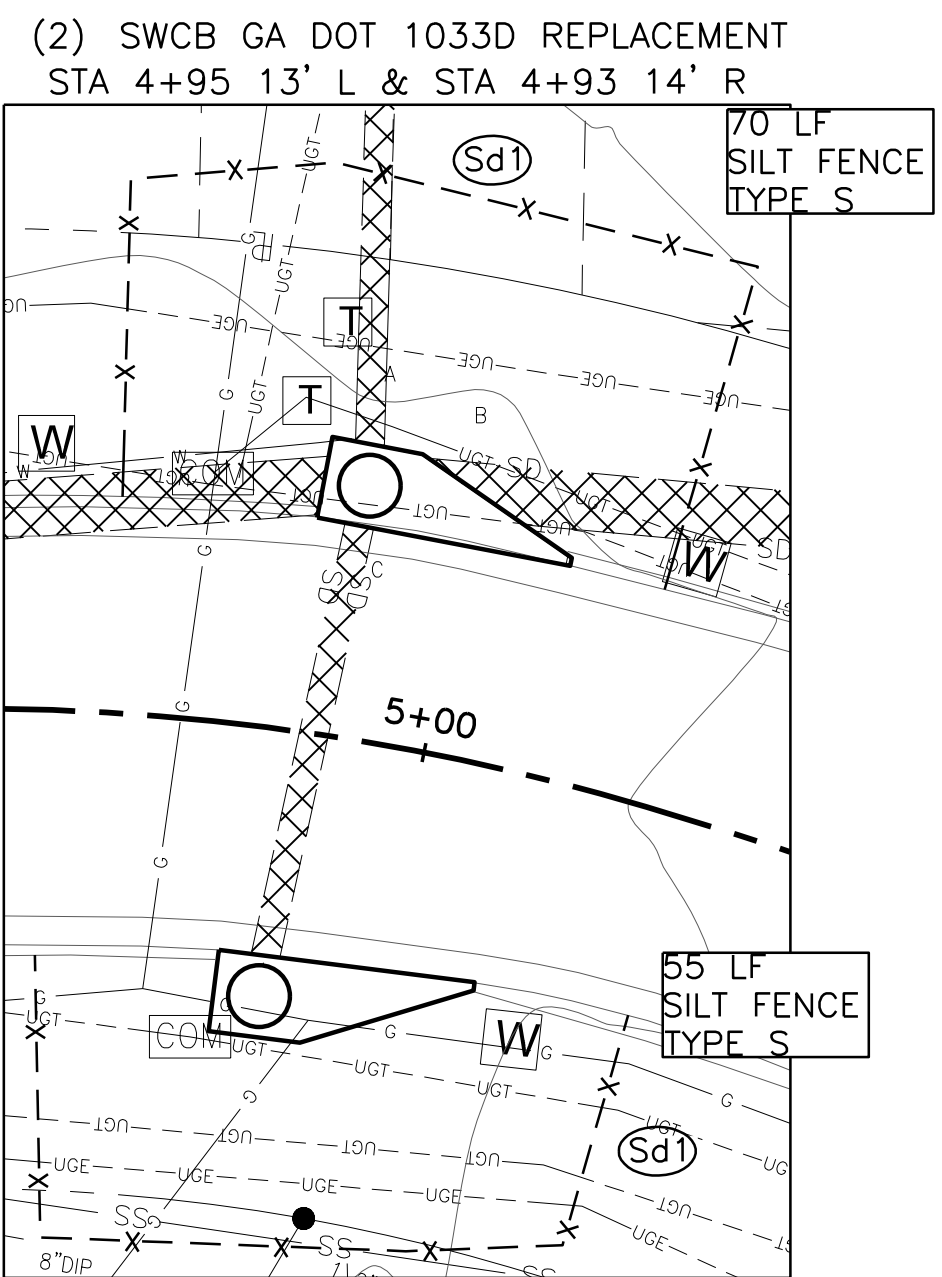
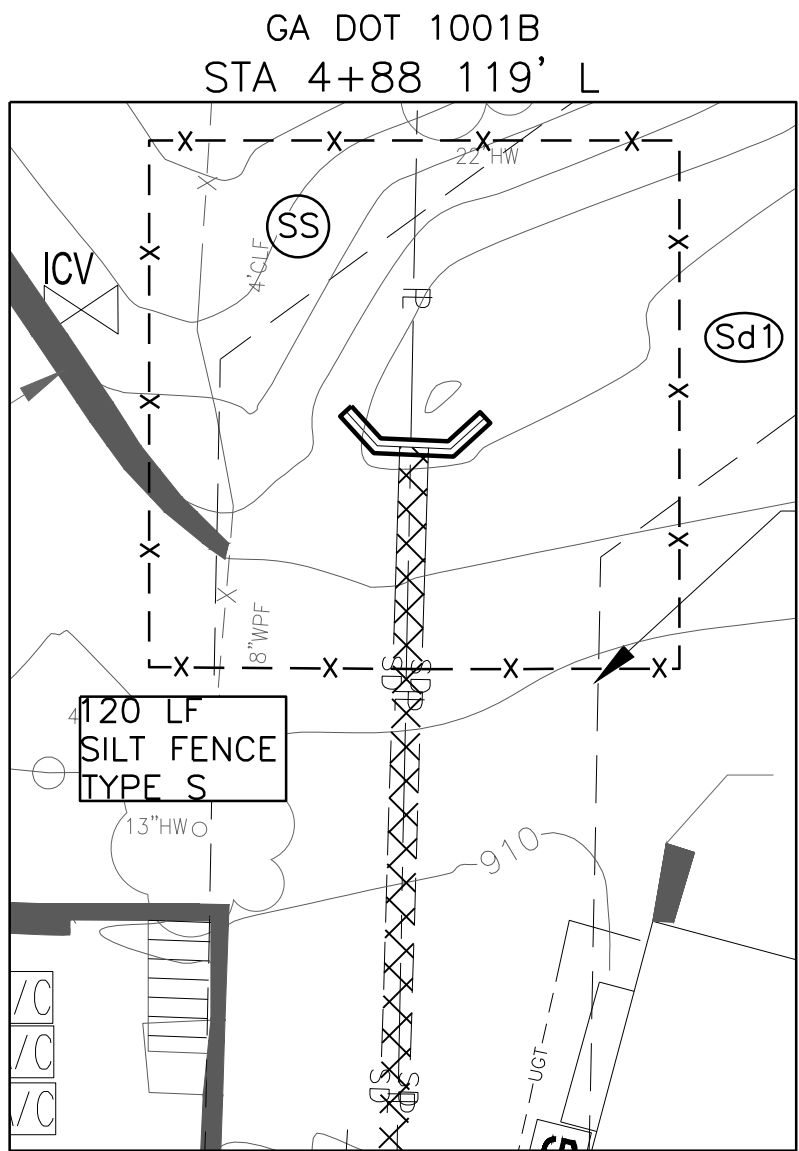
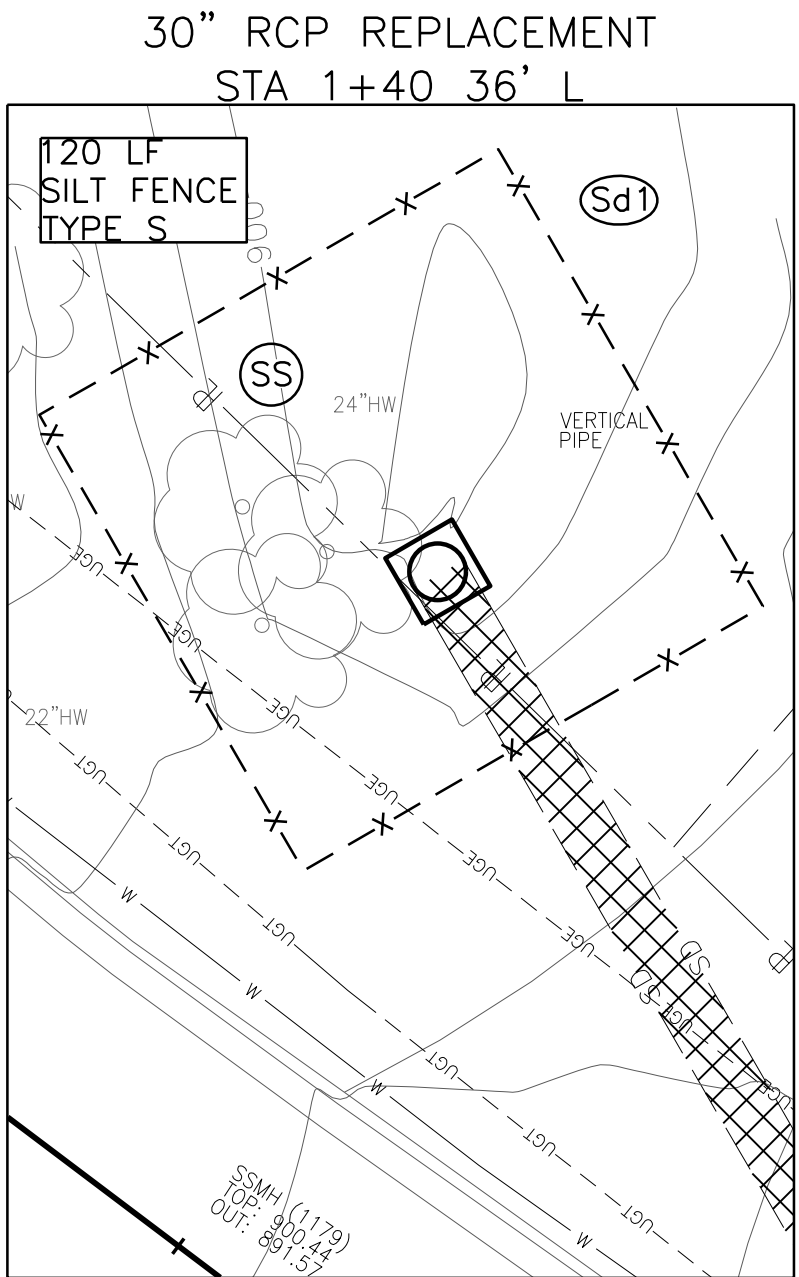
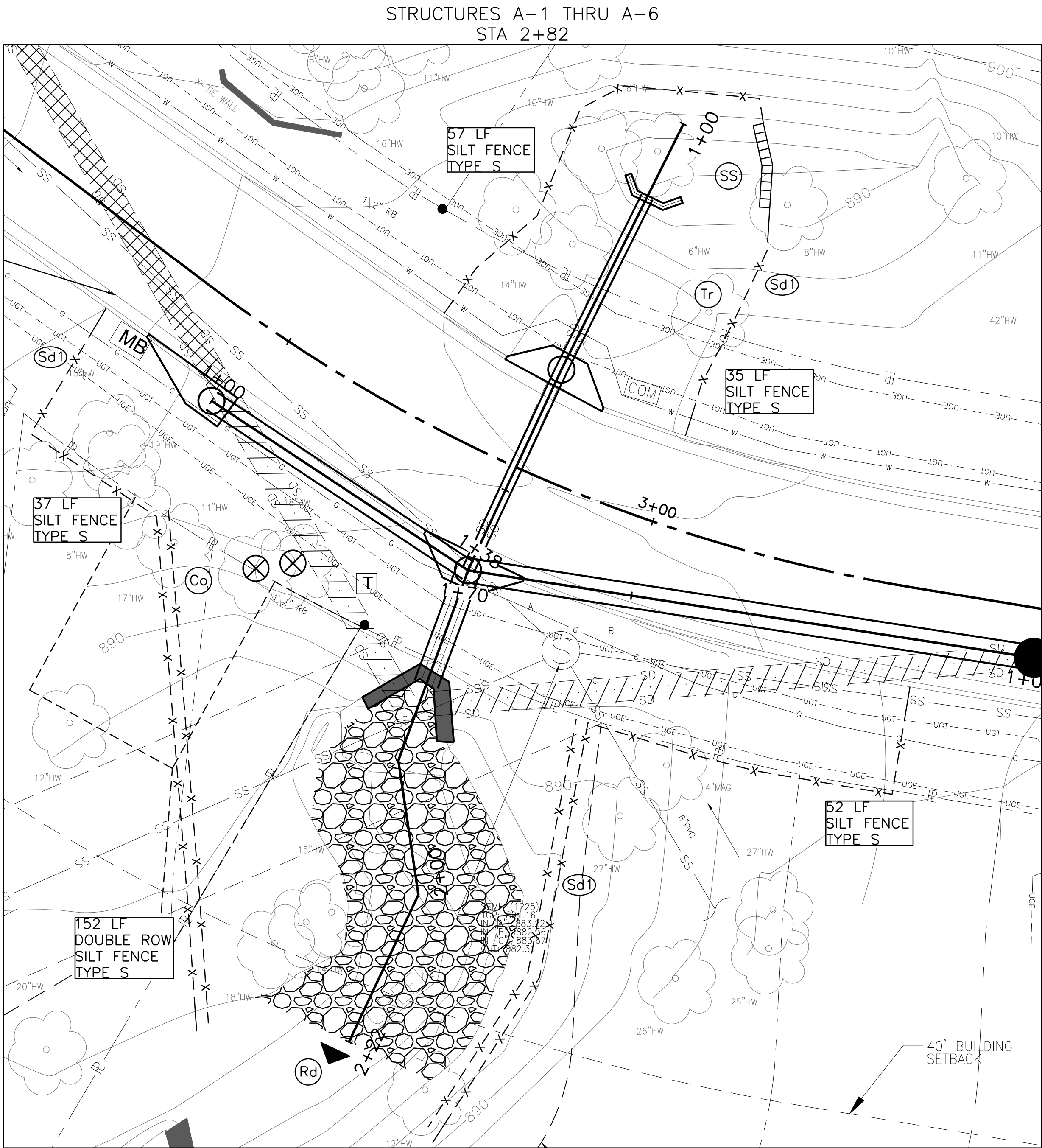
SHEET

C-5

SEQ.

ACAD Ref: 23.0s (LMS Tech)
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Last Saved: 4/20/2020 4:07 PM. Saved By: 02875

Plot Date: 4/20/2020 4:21 PM Plot By: 02875 Filename: N:\WTU\Drawings\CV-ALL-SITE.dwg



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0 10' 20'
SCALE IN FEET
HORIZONTAL

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ENGINEERING FIRM 004433



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Suite 250A 30339
Atlanta, GA
Phone - (404) 334-4310
Web - www.freesse.com

CITY OF SANDY SPRINGS
SEVILLE CHASE
DRAINAGE IMPROVEMENTS PROJECT
EROSION & SEDIMENT CONTROL
PLAN PHASE I

F&N JOB NO.	SSG18458	DATE	04/20/20	DESIGNED	JLJ	DRAWN	CKM	REVIEWED	JCS
ISSUED FOR BID	JLJ	04/20/20	BY	DATE	FILE NAME	CV-ALL-SITE.dwg	NO.	0	1
VERIFY SCALE	0	1	1	1	1	1	1	1	1
SHEET	C-7								
SEQ.									

LEGEND:

- [Ds1] DISTURBED AREA STAB - MULCH
- [Ds3] DISTURBED AREA STAB - PERM
- [Ds4] DISTURBED AREA STAB - SOD
- [SS] EROSION CONTROL MATS
- [Sd1] SILT FENCE - TYPE S
- [Sd2-P] INLET SEDIMENT TRAP
- [Rd] ROCK FILTER DAM
- [HAY] HAY BALES
- [Tr] TREE PROTECTION
- [St] RIP RAP APRON/STORM DRAIN OUTLET PROTECTION
- [X] TREE REMOVAL
- [Co] CONSTRUCTION ENTRANCE/EXIT

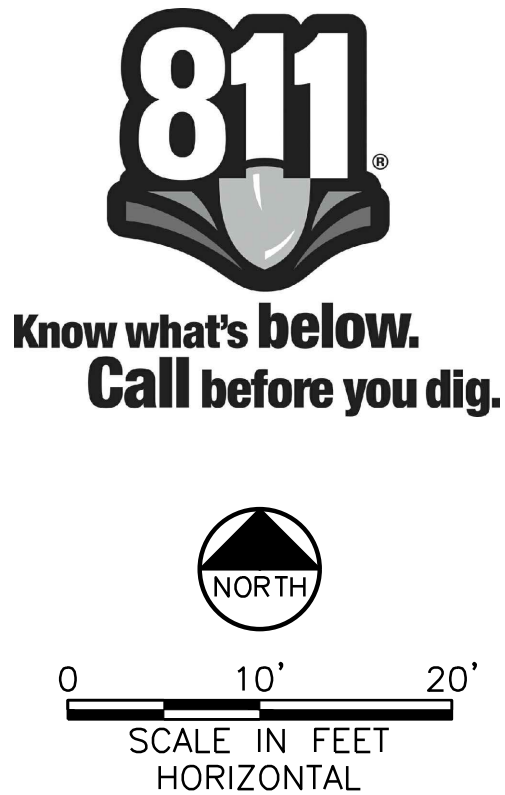
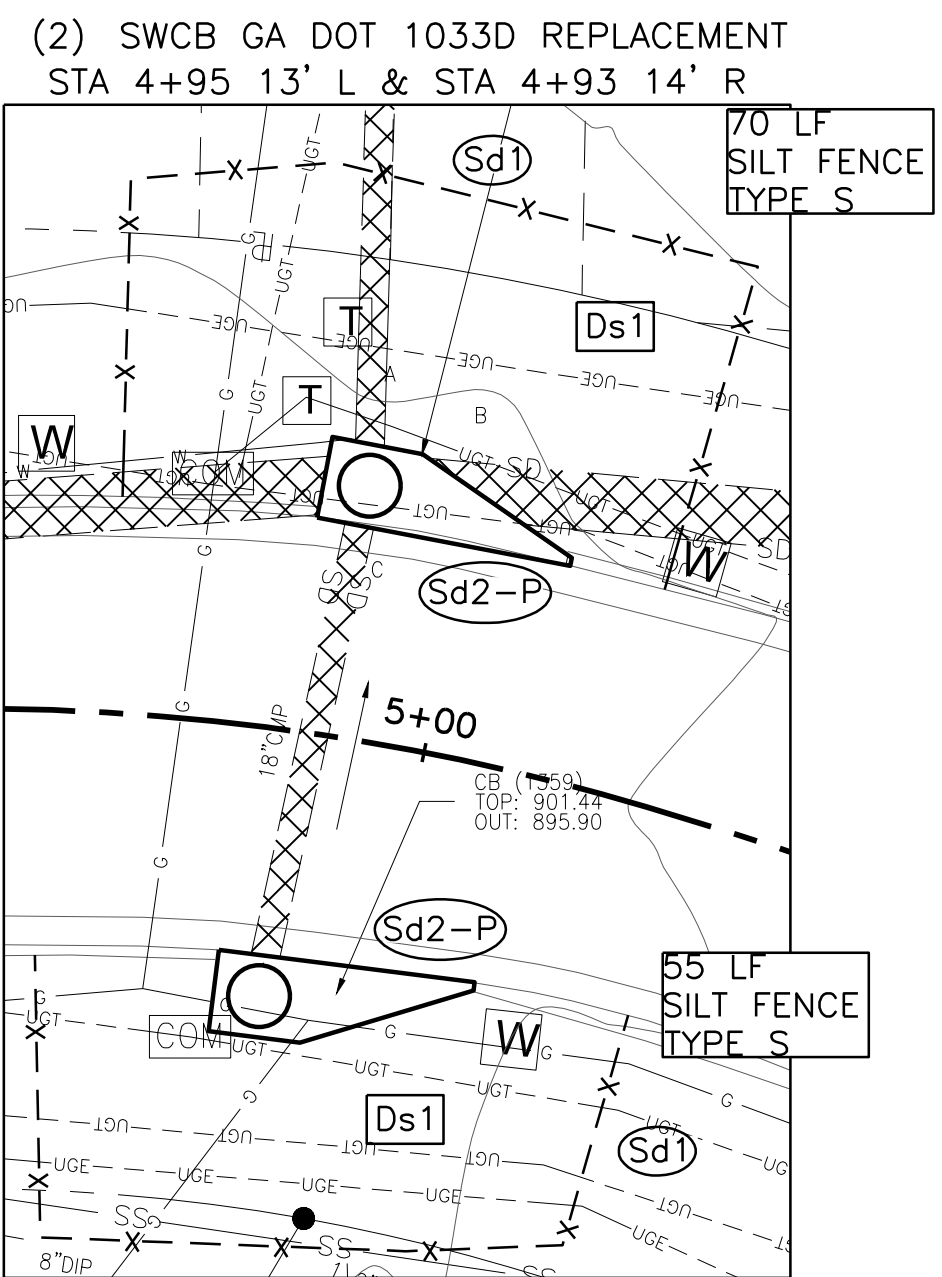
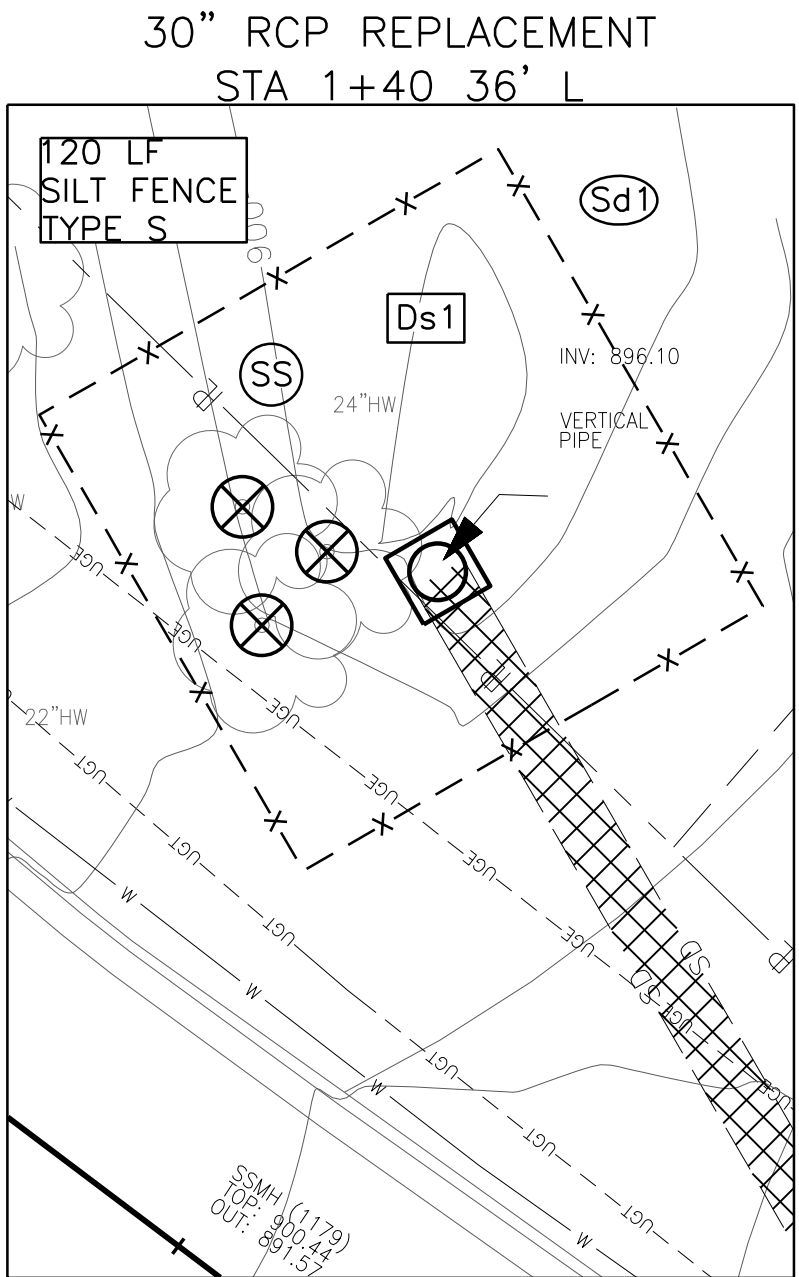
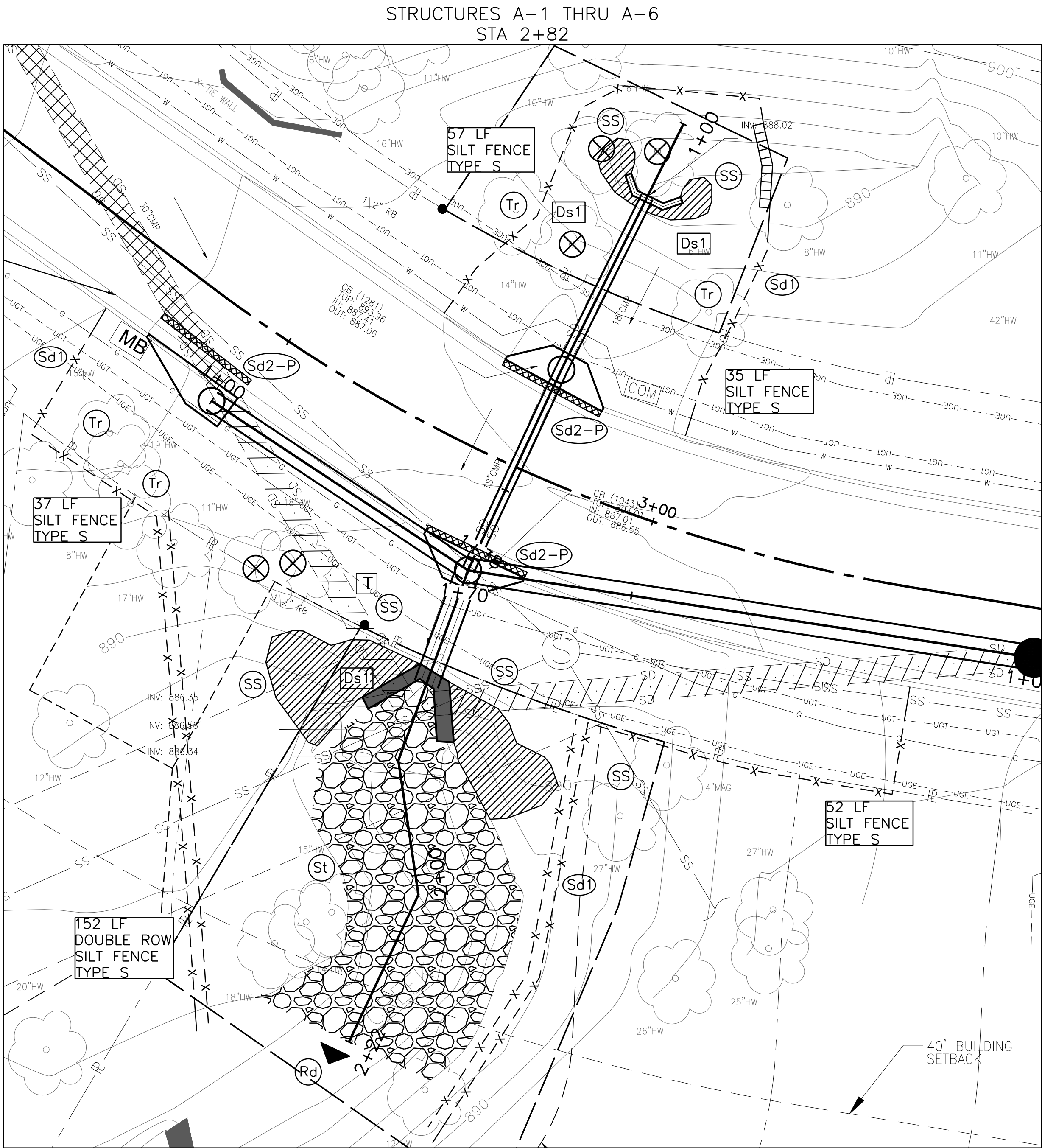
Wayne Eason
SANDY SPRINGS
Permitted
Date: 04/27/2020
PERMIT # PW20-00014R1

These plans were NOT reviewed with respect to any building codes or structural design.
Code compliance and structural integrity are the responsibility of the owner and builder.
The building permit is subject to all City of Sandy Springs ordinances and Georgia State laws.

24 HOUR CONTACT

THE 24 HR EMERGENCY CONTACT
NUMBER FOR THE CITY OF SANDY
SPRINGS IS 770-730-5600

ACAD Ref: 23.0s (LMS Tech)
Filename: N:\WTU\Drawings\CV-ALL-SITE.dwg
Last Saved: 4/20/2020 4:07 PM. Saved By: 02875



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CITY OF SANDY SPRINGS
SEVILLE CHASE
DRAINAGE IMPROVEMENTS PROJECT
EROSION & SEDIMENT CONTROL
PLAN PHASE II

PERMIT NO.	SSG18458
DATE	04/20/20
DESIGNED	JLJ
DRAWN	CKM
REVIEWED	
CHECKED	JCS
FILE NAME	CV-ALL-SITE.dwg

ISSUED FOR BID	JLJ	DATE	04/20/20
BY		FILE NAME	CV-ALL-SITE.dwg
NO.	0	VERIFY SCALE	1
Bar is one inch on original drawing. If not one inch on this sheet, adjust scale.			

SHEET
C-8
SEQ.

LEGEND:

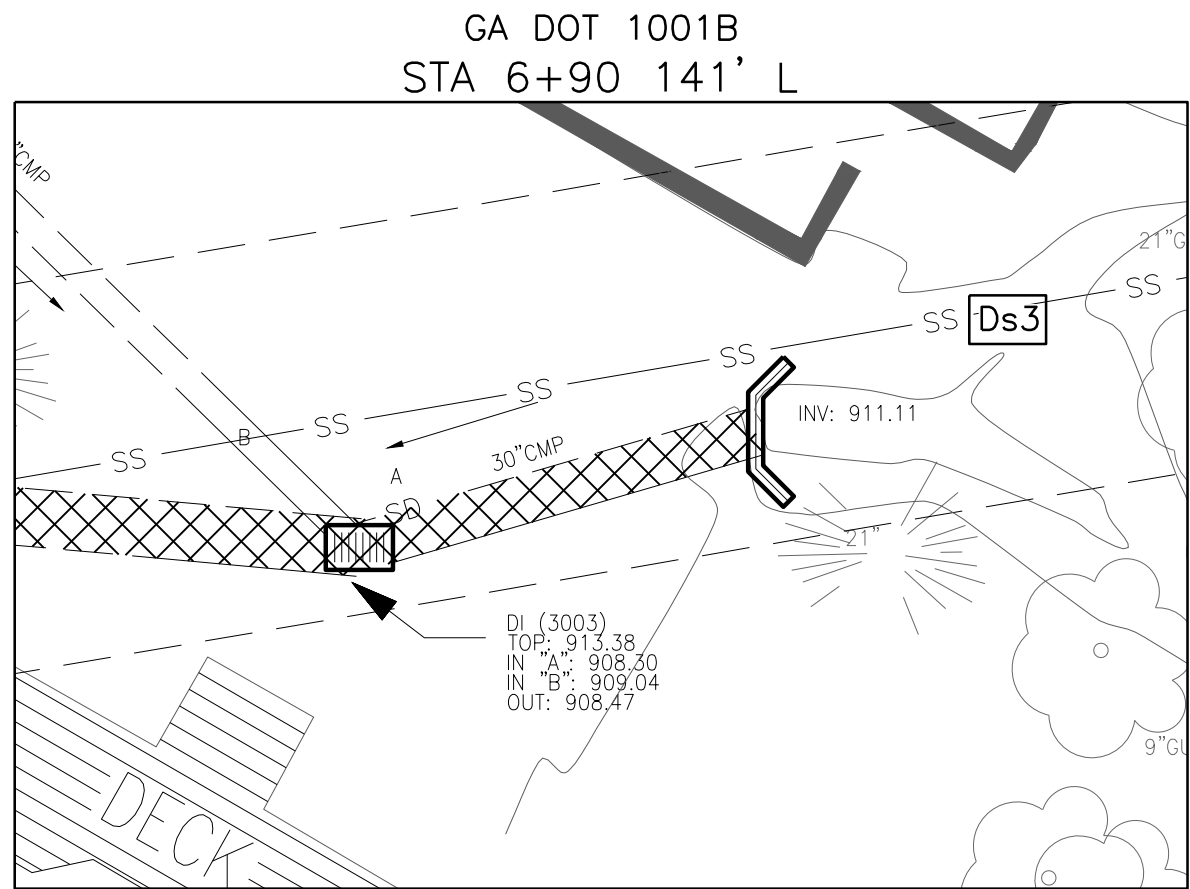
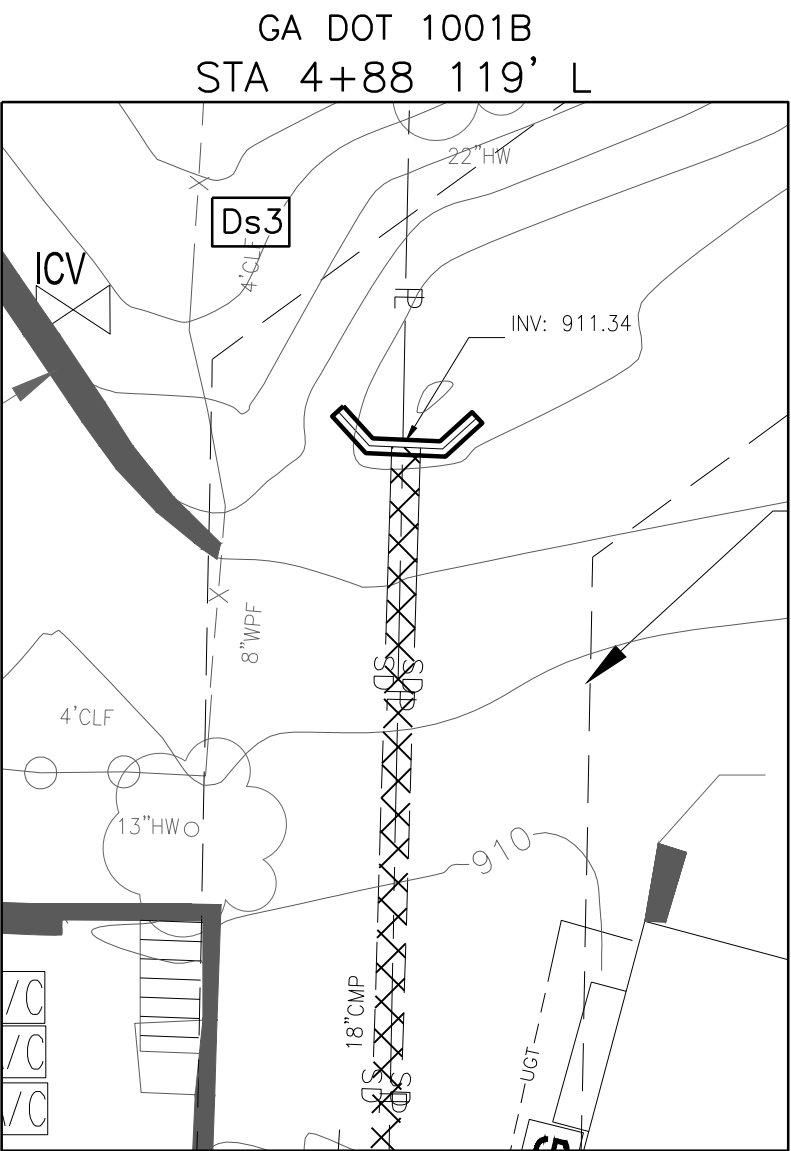
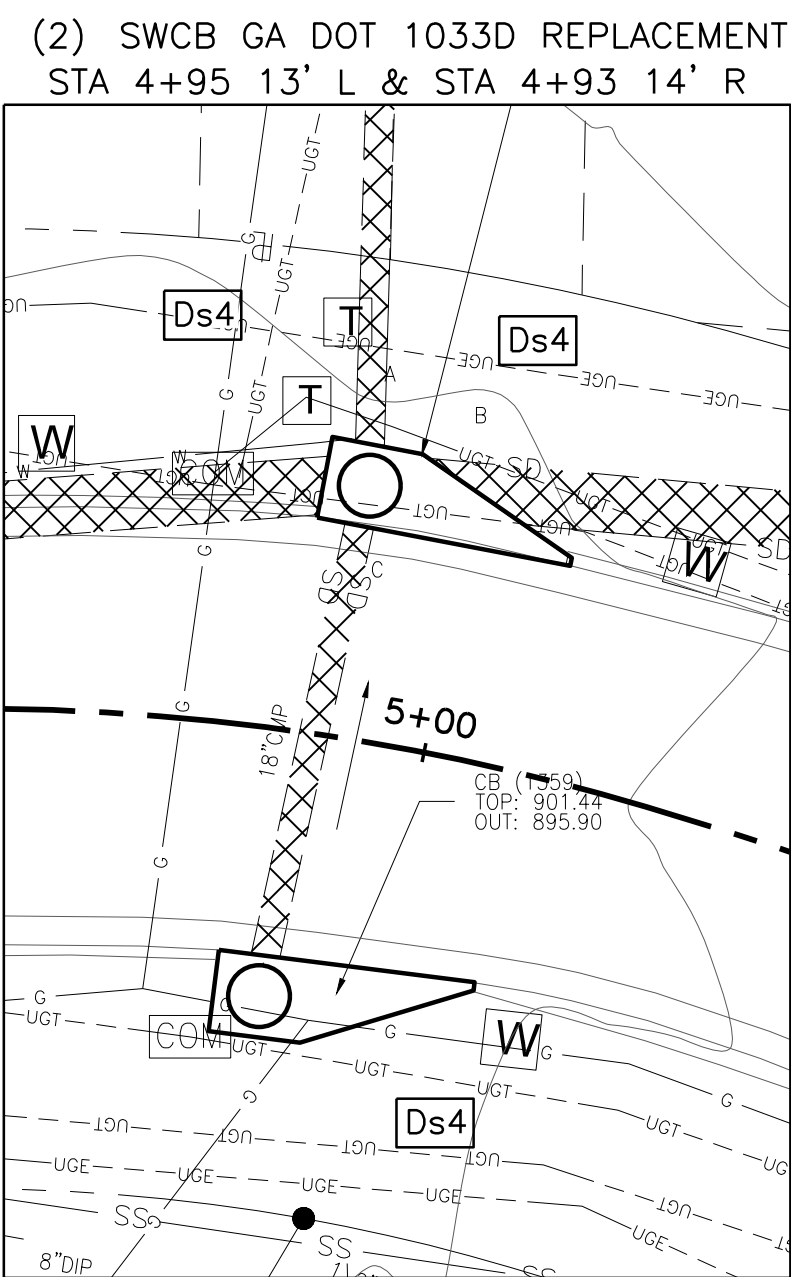
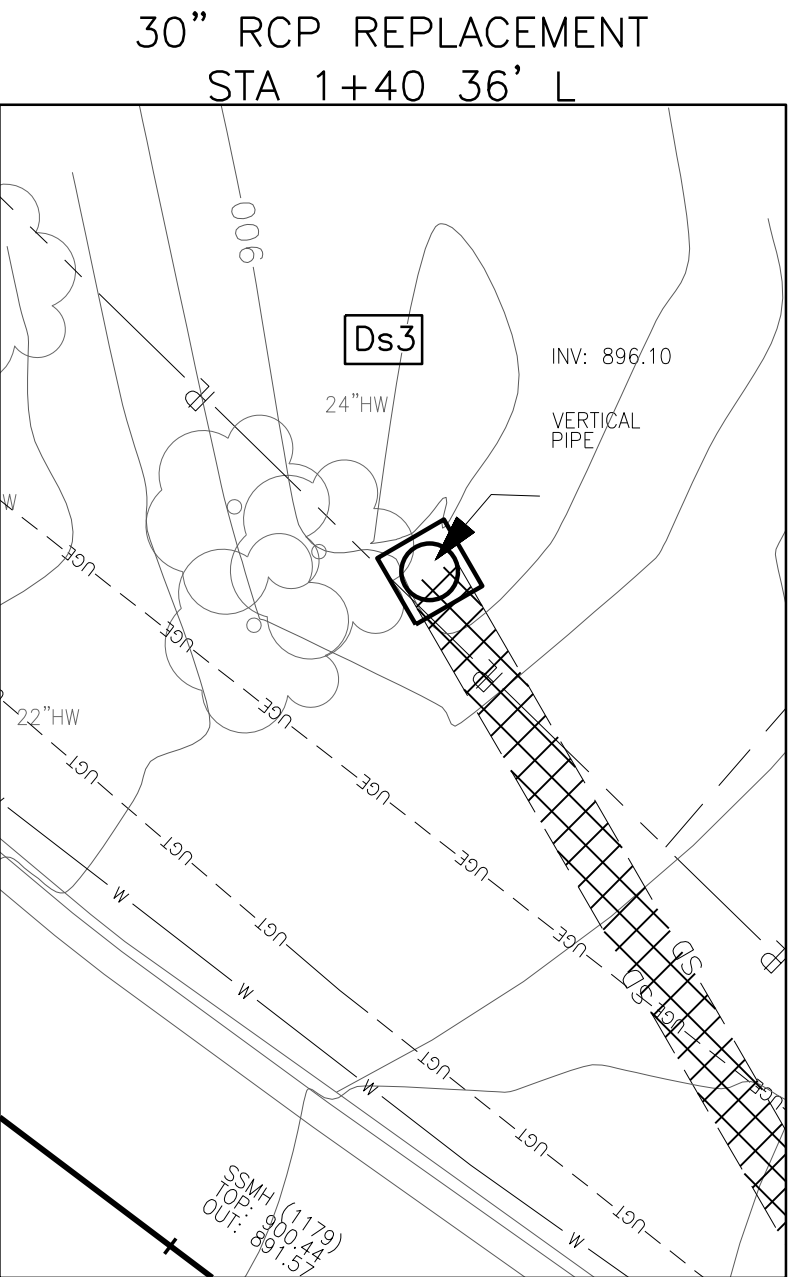
- [Ds1] DISTURBED AREA STAB - MULCH
- [Ds3] DISTURBED AREA STAB - PERM
- [Ds4] DISTURBED AREA STAB - SOD
- [SS] EROSION CONTROL MATS
- [Sd1] SILT FENCE - TYPE S
- [Sd2-P] INLET SEDIMENT TRAP
- [Rd] ROCK FILTER DAM
- [HAY] HAY BALES
- [Tr] TREE PROTECTION
- [St] RIP RAP APRON/STORM DRAIN OUTLET PROTECTION
- [X] TREE REMOVAL



24 HOUR CONTACT

THE 24 HR EMERGENCY CONTACT
NUMBER FOR THE CITY OF SANDY
SPRINGS IS 770-730-5600

ACAD Ref: 23.0s (LMS Tech)
Filename: N:\WTU\Drawings\CV-ALL-SITE.dwg
Last Saved: 4/20/2020 4:07 PM. Saved By: 02875



LEGEND:

- Ds1 DISTURBED AREA STAB - MULCH
- Ds3 DISTURBED AREA STAB - PERM
- Ds4 DISTURBED AREA STAB - SOD
- SS EROSION CONTROL MATS
- Sd1 SILT FENCE - TYPE S
- Sd2-P INLET SEDIMENT TRAP
- Rd ROCK FILTER DAM
- HAY BALES
- Tr TREE PROTECTION
- St RIP RAP APRON/STORM DRAIN OUTLET PROTECTION
- Tree Removal

Wayne Elston
SANDY SPRINGS
GEORGIA
Permitted
Date: 04/27/2020
PERMIT # PW20-00014R1

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24 HOUR CONTACT
THE 24 HR EMERGENCY CONTACT
NUMBER FOR THE CITY OF SANDY
SPRINGS IS 770-730-5600

811
Know what's below.
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NORTH

0 10' 20'
SCALE IN FEET
HORIZONTAL

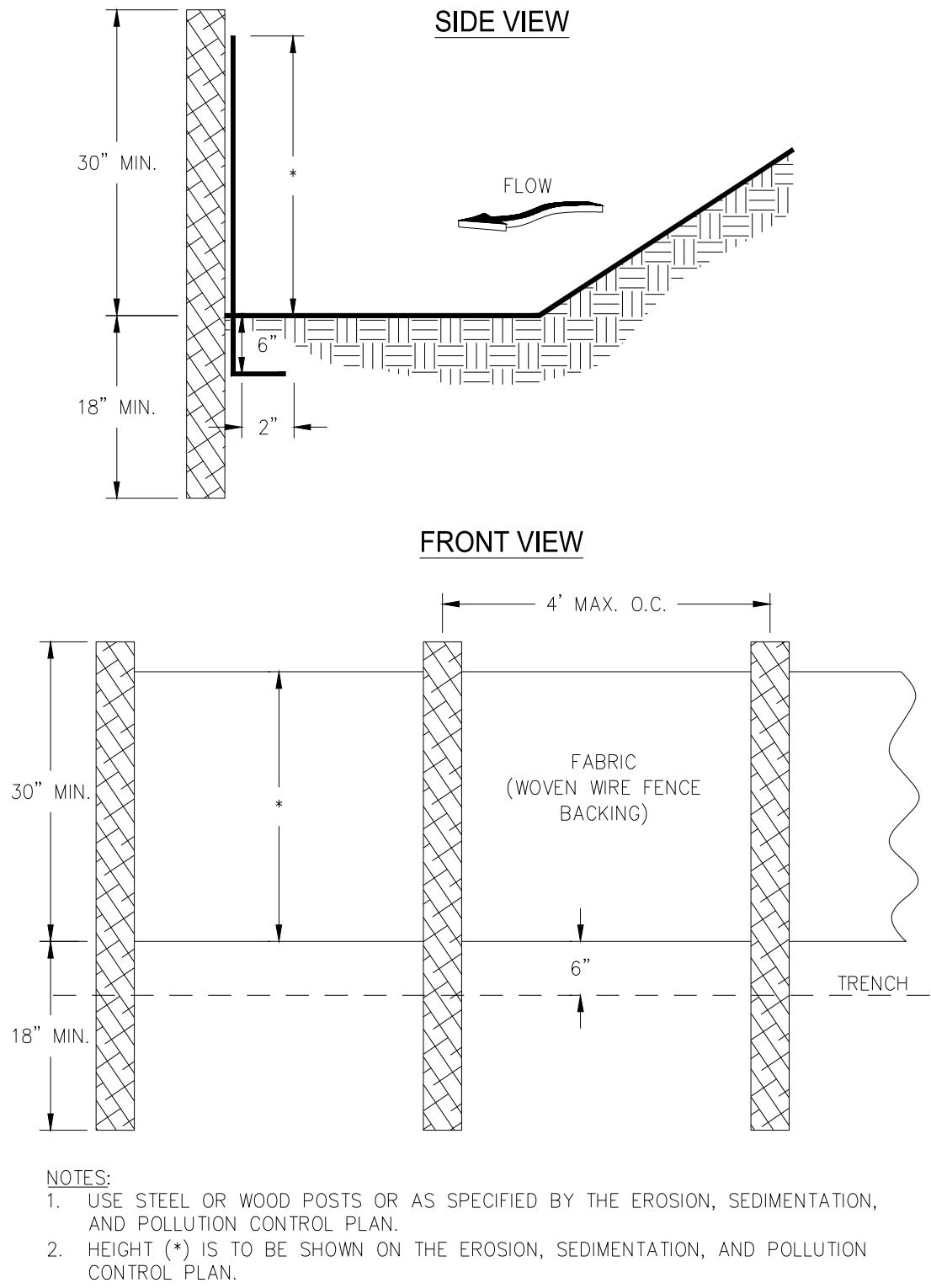
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ENGINEERING FIRM 004433



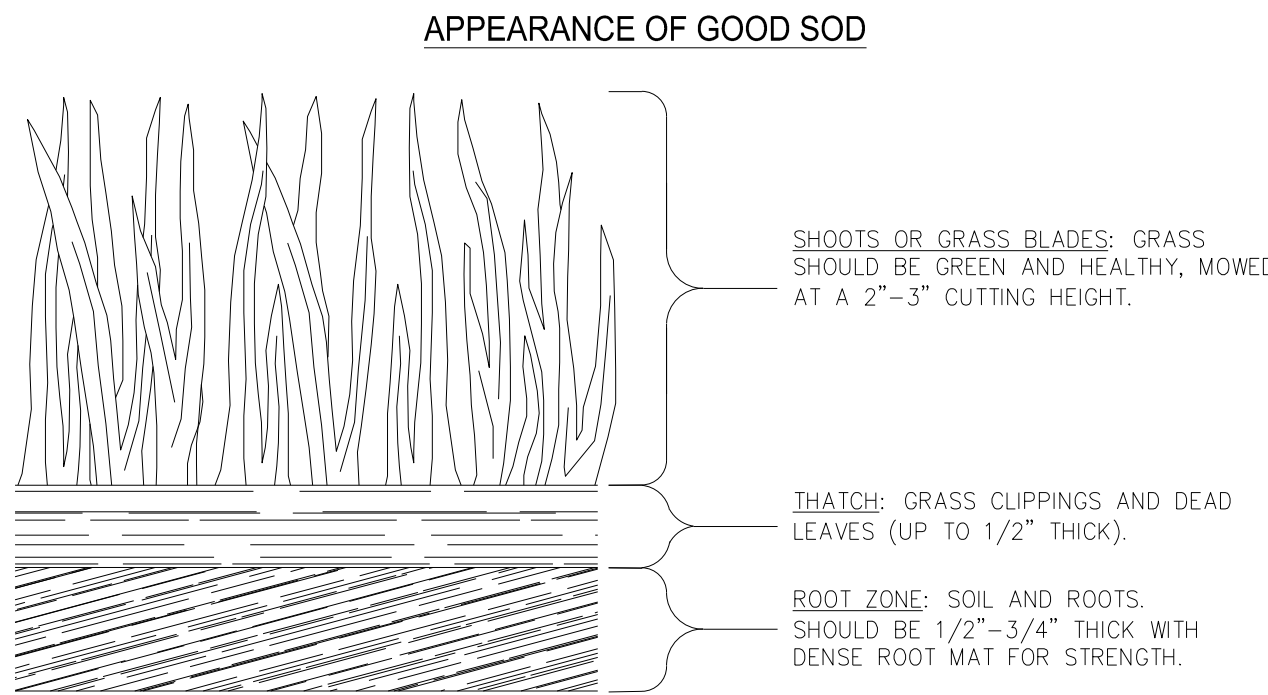
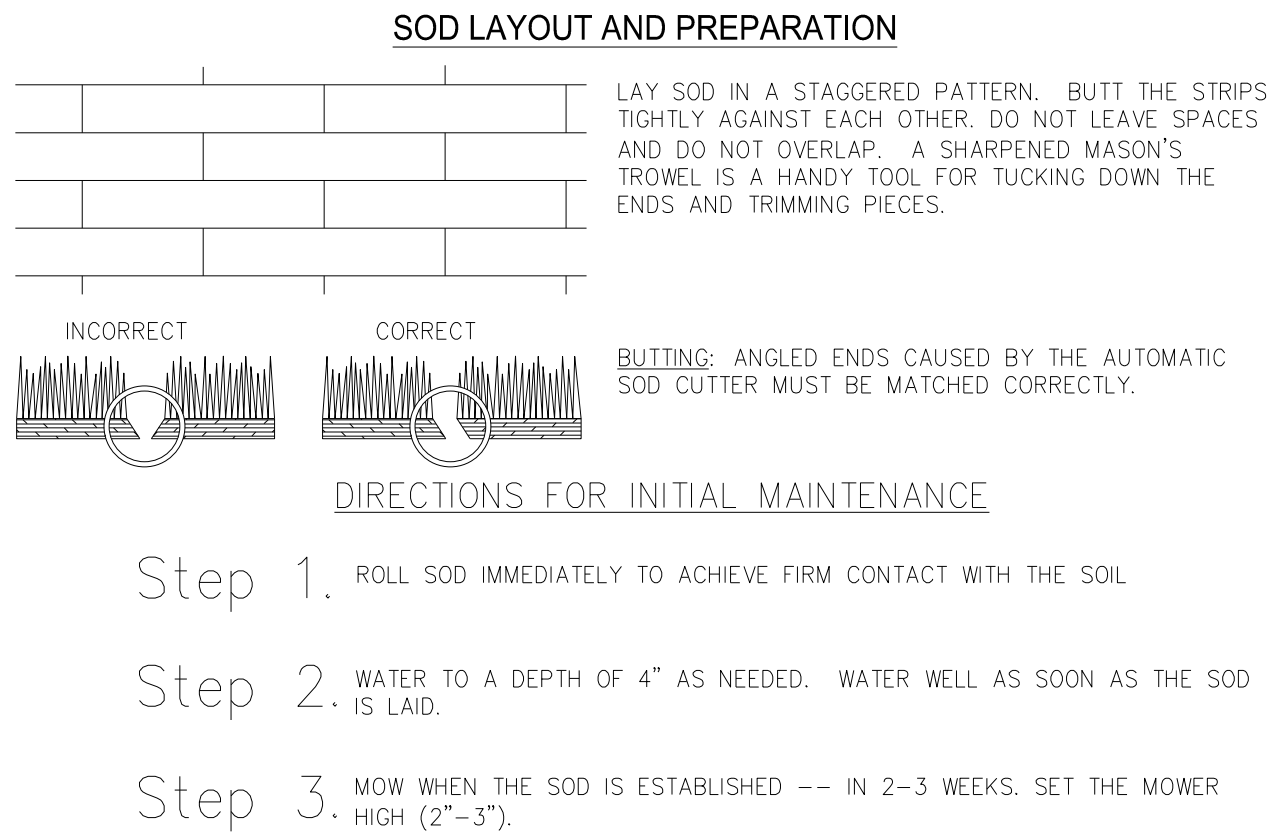
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Web - www.freesse.com

CITY OF SANDY SPRINGS
SEVILLE CHASE
DRAINAGE IMPROVEMENTS PROJECT
EROSION & SEDIMENT CONTROL
PLAN PHASE III

FILE NO.	SSG18458
DATE	04/20/20
DESIGNED	JLJ
DRAWN	CKM
REVISION	
CHECKED	JCS
FILE NAME	CV-ALL-SITE.dwg
ISSUE	
BY	
DATE	
NO.	
ISSUED FOR BID	
VERIFY SCALE	0
Bar is one inch on original drawing, if not one inch on this sheet, adjust scale.	1
SHEET	C-9
SEQ.	



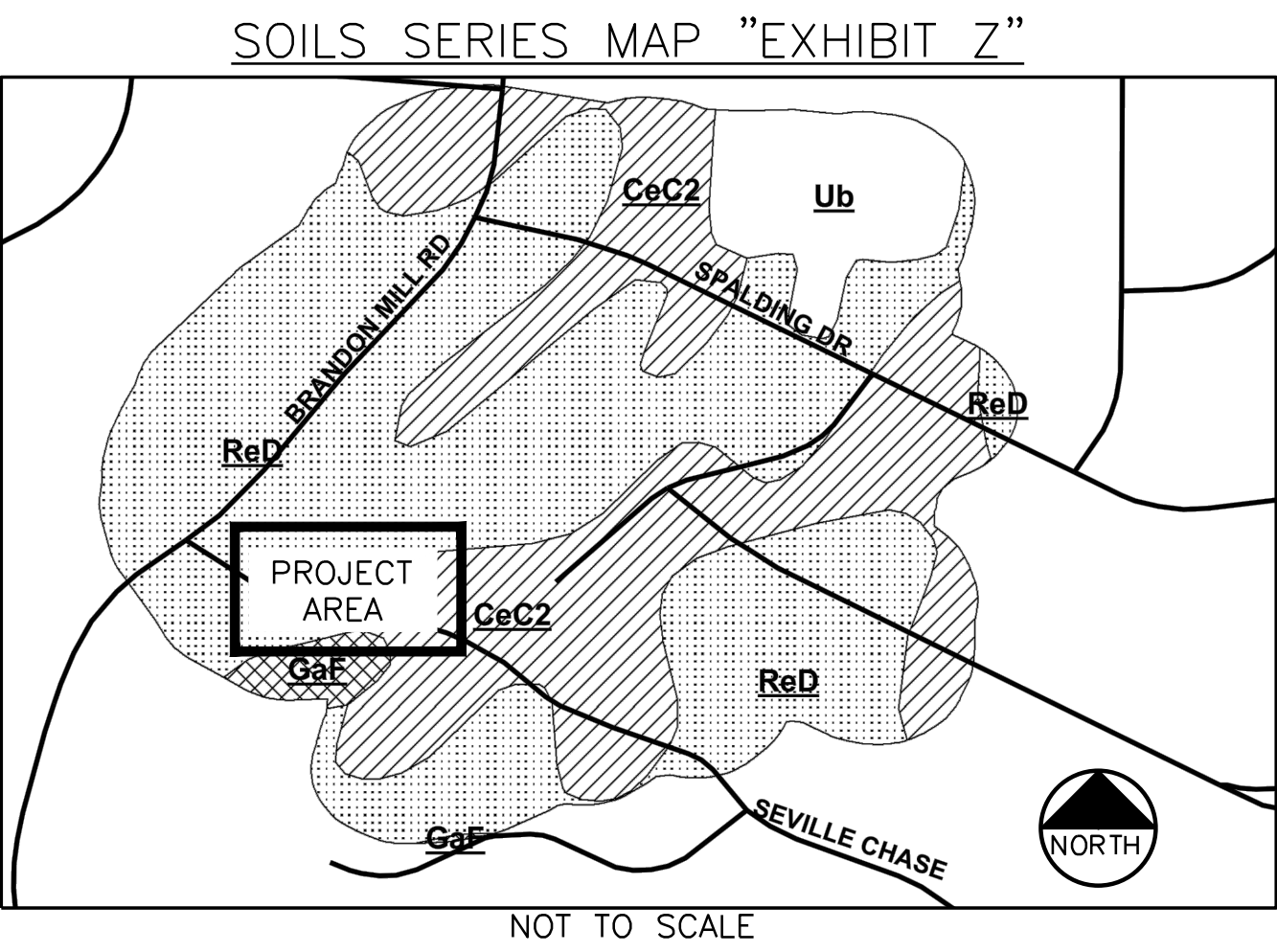
(Sd1) SILT FENCE - TYPE SENSITIVE



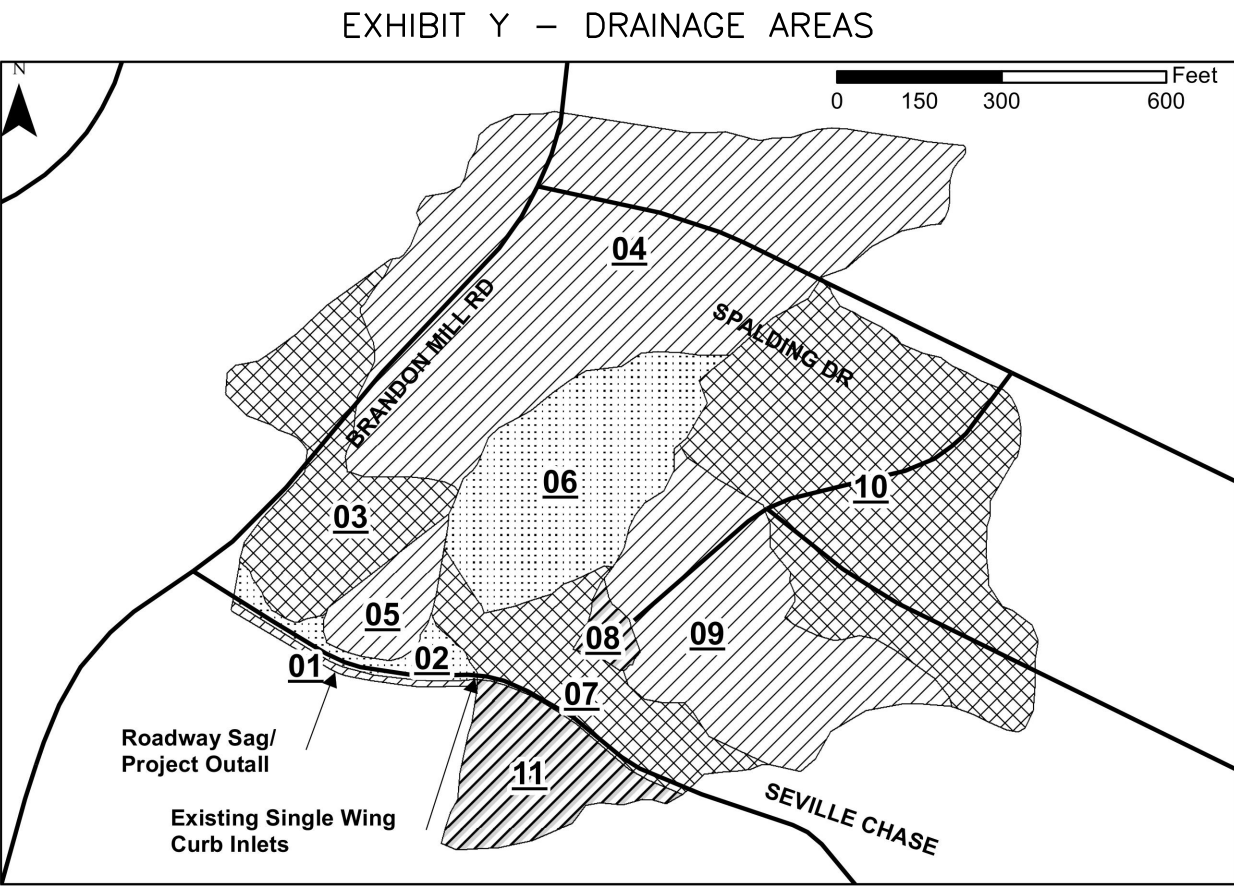
Ds4 SOD MAINTENANCE AND INSTALLATION

TYPE OF SPECIES	YEAR	ANALYSIS OR EQUIVALENT N-P-K	RATE	N TOP DRESSING RATE
1. COOL SEASON GRASSES	FIRST	6-12-12	1500 LBS/AC	50-100 LBS/AC 1/2/
	SECOND	6-12-12	1000 LBS/AC	--
	MAINTENANCE	10-10-10	400 LBS/AC	30
2. COOL SEASON GRASSES AND LEGUMES	FIRST	6-12-12	1500 LBS/AC	0-50 LBS/AC 1/
	SECOND	0-10-10	1000 LBS/AC	--
	MAINTENANCE	0-10-10	400 LBS/AC	--
3. GROUND COVERS	FIRST	10-10-10	1300 LBS/AC	--
	SECOND	10-10-10	1300 LBS/AC	--
	MAINTENANCE	10-10-10	1100 LBS/AC	--
4. PINE SEEDLINGS	FIRST	20-10-5	ONE 21-GRAM PELLET PER SEEDLING PLACED IN THE CLOSING HOLE	--
5. SHRUBS LESPEDeza	FIRST	0-10-10	700 LBS/AC	--
	MAINTENANCE	0-10-10	700 LBS/AC	--
6. TEMPORARY COVER CROPS SEEDED ALONE	FIRST	10-10-10	500 LBS/AC	30 LBS/AC 5/
	FIRST	6-12-12	1500 LBS/AC	50-100 LBS/AC 2/6/
	SECOND	6-12-12	800 LBS/AC	50-100 LBS/AC 2/
7. WARM SEASON GRASSES	FIRST	10-10-10	400 LBS/AC	30 LBS/AC
	SECOND	6-12-12	1500 LBS/AC	--
	MAINTENANCE	6-12-12	1000 LBS/AC	--
8. WARM SEASON GRASSES AND LEGUMES	FIRST	6-12-12	1500 LBS/AC	50 LBS/AC 6/
	SECOND	0-10-10	1000 LBS/AC	--
	MAINTENANCE	0-10-10	400 LBS/AC	--

FERTILIZER INFORMATION BY GRASS TYPE



MAP UNIT SYMBOL	MAP UNIT NAME	RATING
CeC2	CECIL SANDY LOAM, 6 TO 10 PERCENT SLOPES. MODERATELY ERODED	B
GoF	GROVER-MOUNTAIN PARK COMPLEX, 20 TO 60 PERCENT SLOPES. STONY	B
ReD	RION SANDY LOAM, 10 TO 15 PERCENT SLOPES	B
Ub	URBAN LAND	



SUBBASIN AREA (AC)	
1	0.1
2	0.42
3	2.22
4	7.93
5	0.61
6	2.59
7	1.62
8	0.19
9	3.21
10	5.58
11	1.32



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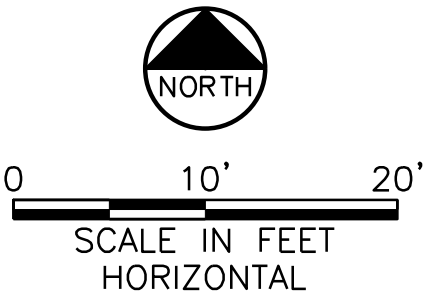
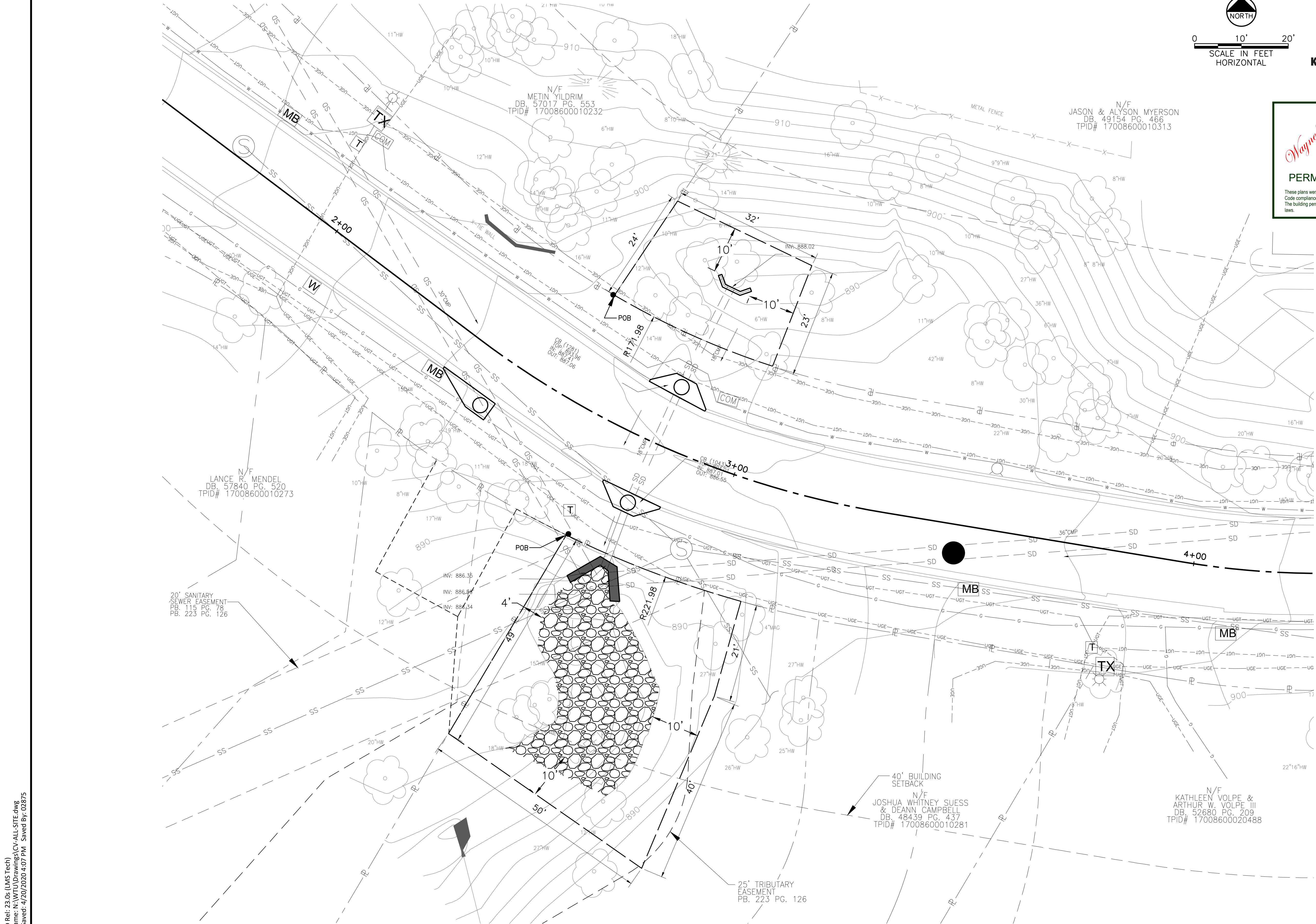


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CITY OF SANDY SPRINGS
SEVILLE CHASE
DRAINAGE IMPROVEMENTS PROJECT
EROSION & SEDIMENT CONTROL
EROSION & SEDIMENT CONTROL DETAILS

F&N JOB NO.	SSG18458	DATE	04/20/20	DESIGNED	JLJ	DRAWN	CKM	REVIEWED	JCS
ISSUED FOR BID		04/20/20		JLJ	BY				
NO.	0	ISSUE							
VERIFY SCALE									
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1									
GN-ALL-COVER.dwg									
SHEET C-11									
SEQ.									

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Wayne Eaton SANDY SPRINGS GEORGIA
Permitted
Date: 04/27/2020
PERMIT # PW20-00014R1
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CITY OF SANDY SPRINGS
SEVILLE CHASE
DRAINAGE IMPROVEMENTS PROJECT
CIVIL
EASEMENT EXHIBIT

F&N JOB NO.		SSG18458
DATE	DESIGNED	04/20/20 JUL
DRAWN	CKM	04/20/20
REVIS	CHECKED	JCS
FILE NAME	CV-ALL-SITE.dwg	
ISSUED FOR BID	BY	JUL
VERIFY SCALE	NO	0
Bar is one inch on original drawing. If not one inch on this sheet, adjust scale.		
1		
SHEET		
C-12		
SEQ.		